Report of the Colorado State Engineer Concerning Accounting of the Operations of an Offset Account in John Martin Reservoir for Colorado Pumping 2021

COLORADO
Division of Water Resources
Department of Natural Resources



Submitted to the
Engineering and Operations Committees
Arkansas River Compact Administration

December 1, 2021
Report of the Colorado State Engineer
Offset Account Operations
November 1, 2020 to October 31, 2021

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, 2020 through October 31, 2021 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2020 the Offset Account contained 5,529.60 acre-feet. From November 1, 2020 through October 31, 2021 there were deliveries to and transfers to the Offset Account as summarized below. There were two releases from the Offset Account for delivery to Kansas during this period. The Lower Arkansas Water Management Association transferred fully consumable water to satisfy the 500 acre-feet Storage Charge prerequisite for using the account, on March 31, 2021. The correspondence describing this transfer and the other deliveries 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, 2020 through October 31, 2021, there were ten deliveries/transfers of water to the Offset Account. These operations are summarized in the following table.

Source	Start Date	End Date	Amount to Offset Account (ac-ft)	Consumable Water (ac-ft)	Return Flow Water (ac-ft)
LAWMA (Keesee Article II Transfer)	March 31, 2021	March 31, 2021	544.26	472.92	71.34
LAWMA (X-Y Article II Transfer)	June 27, 2021	June 27, 2021	309.52	0	309.52
LAWMA (Keesee, Sission, Stubbs, and X-Y Article II Transfer)	June 28, 2021	June 28, 2021	2,224.1	1,741.04	483.06
LAWMA (X-Y Article II Transfer)	June 29, 2021	June 29, 2021	124.04	76.61	47.43
LAWMA (X-Y Article II Transfer)	September 27, 2021	September 27, 2021	216.6	0	216.6
LAWMA (Highland)	April 2, 2020	October 31, 2020	3087.22	3087.22	0
LAWMA (Fort Lyon)	November 1, 2020	October 31, 2020	1826.2	1826.2	0
LAWMA (Keesee)	March 31, 2020	October 31, 2020	1428.4	1428.4	0
TOTALS			9760.34	8632.39	1127.95

During the period referred to above, there were two releases of water from the Offset Account requested by the Kansas Chief Engineer.

The first release from Offset Account water was from June 18, 2021 through July 7, 2021 and is summarized as follows:

Summary of Release (June 18, 2021-July 7, 2021)
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 587.39 acre-feet

Release from Kansas Consumable Water subaccount = 0.00 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 7,710.66 acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 933.86 acre-feet

Total quantity released = 9,231.90 acre-feet

Credit for Colorado Consumptive Use Water

0.7971 x 7,711 (Consumptive Use Water) = 6,146 acre-feet credit

The second Offset Account water was released from July 7, 2021 through August 7, 2021 and is summarized as follows:

Summary of Release (July 7, 2021-August 7, 2021)
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 0.00 acre-feet

Release from Kansas Consumable Water subaccount = 0.00 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 1,122.46 acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 0.00 acre-feet

Total quantity released = 1,122.46 acre-feet

Credit for Colorado Consumptive Use Water

0.8843 x 1,122 (Consumptive Use Water) = 993 acre-feet credit

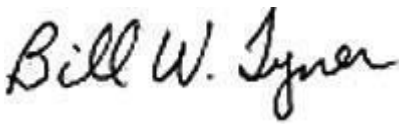
Credits were determined using the Muskingum routing method pursuant to the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters, September 29, 2005.

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, 2021 the Offset Account contained 2,257.14 acre-feet.

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



Bill W. Tyner for
Colorado State Engineer

December 1, 2021

INDEX

Report of the Colorado State Engineer – Offset Account Operations

Section1

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

Daily Accounting Records by Month for Offset Account and Subaccounts

Section 3

Correspondence on Deliveries to and Releases from the Offset Account

- December 4, 2020 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable subaccount
- January 6, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable subaccount
- February 1, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable subaccount
- February 12, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable
- March 8, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable subaccount
- March 8, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CWPDA Upstream Consumable subaccount
- March 31, 2021 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Keesee Ditch water rights.
- March 31, 2021 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Fort Lyon Canal water rights.
- March 31, 2021 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Highland Canal water rights.

- March 31, 2021 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of initial 500 acre-feet to Kansas Storage Charge Account of consumable water.
- June 28, 2021 letter to Kevin Salter regarding Initial Notice of Offset Account transfer associated with X-Y Canal Section II Accounts for an In State Monthly Balance Release
- June 28, 2021 letter to Kevin Salter Regarding Initial Notice of Offset Account transfer associated with Keesee, X-Y, Sission and Stubbs Canals Section II Accounts for the July 1st target of the Highland Canal and Permanent Pool Agreement
- June 28, 2021 letter to Kevin Salter Regarding Initial Notice of Offset Account transfer within the Offset Account from the Colorado Downstream Consumable subaccount to the Kansas Consumable subaccount
- July 1, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the X-Y Canal Section II Account for a replacement of a 10-Year HI-Model Shortfall
- August 18, 2021 letter to Earl Lewis, Jr. regarding Final Notice of Offset Account operations for CWPDA associated with the March 7, 2021 and March 8, 2021 transfer out of the Offset Account
- August 18, 2021 letter ot Earl Lewis Jr. regarding Final Notice of Offset Account operations for LAWMA associated with the March 31, 2021 transfer of 500 acre-feet from the Keesee Article II account, the June 27, 2021 transfer coupled with an in-state replacement release, the June 28, 2021 transfer associated with the July 1st target in the Highland Canal Permanent Pool agreement and the June 29, 2021 transfer to cover a deficit in the Ten Year Accounting.
- September 27, 2021 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with a release of X-Y Article II water for in-state replacement
- November 29, 2021 letter to Earl Lewis, Jr. regarding the Final Notice of Offset Account operations for LAWMA associated with the transfer water from the X-Y Article II account coupled with an in-state replacement release of X-Y Article II water
- November 29, 2021 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Fort Lyon Canal consumptive use water to the Offset Account for April – October 2021.
- November 29, 2021 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Keesee consumptive use water to the Offset Account for April – October 2021.
- November 29, 2021 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for April – October 2021
- November 29, 2021 letter to Earl Lewis, Jr. regarding the Notice of Releases of Offset Account Water from John Martin

Section 4

Monthly Reports of Colorado Pumping and Offset Account Operations

- February 12, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - November 2020 Report
- June 18, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - December 2020 Report
- June 18, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - January 2021 Report
- June 18, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - February 2021 Report
- June 18, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - March 2021 Report
- June 18, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - April 2021 Report
- July 1, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - May 2021 Report
- August 12, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - June 2021 Report
- September 13, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - July 2021 Report
- October 11, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - August 2021 Report
- November 4, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - September 2021 Report
- November 29, 2021 letter to Earl Lewis, Jr. and Stephanie Gonzales - October 2021 Report

Section 1

TABLE 1
OFFSET ACCOUNT TOTALS

WATER YEAR	CONTENTS	PHYSICAL	ACCOUNT	ACCOUNT		ACCOUNT	ACCOUNT	PHYSICAL	CONTENTS
2021	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	5529.60	0.00			73.15		3.86		5452.59
DECEMBER	5452.59	0.00			47.30				5405.29
JANUARY	5405.29	0.00			47.23		1011.97		4346.09
FEBRUARY	4346.09	0.00			10.69		9.79		4325.61
MARCH	4325.61	36.76	544.26		85.26		518.07		4303.30
APRIL	4303.30	309.63			139.35				4473.58
MAY	4473.58	1102.01			150.97				5424.62
JUNE	5424.62	1917.45	2657.66		213.13			7204.66	2581.94
JULY	2581.94	1034.07			45.06			2788.14	782.81
AUGUST	782.81	1189.53			96.10			361.57	1514.67
SEPTEMBER	1514.67	446.74	216.67		116.58				2061.50
OCTOBER	2061.50	306.03			110.39				2257.14
TOTALS		6342.22	3418.59	0.00	1135.21	0.00	1543.69	10354.37	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

TABLE A
CONSUMABLE WATER

WATER YEAR 2021	CONTENTS BEGINNING OF	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN	EVAPORATION	ACCOUNT TRANSFER-OUT	PHYSICAL RELEASE	CONTENTS END OF
	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	5496.49			72.85	3.86		5419.78
DECEMBER	5419.78			47.04			5372.74
JANUARY	5372.74			46.96	1011.97		4313.81
FEBRUARY	4313.81			10.61	9.79		4293.41
MARCH	4293.41	36.76	472.92	84.70	518.07		4200.32
APRIL	4200.32	309.63		136.05			4373.90
MAY	4373.90	1102.01		147.80			5328.11
JUNE	5328.11	1917.45	1817.65	210.47		6270.80	2581.94
JULY	2581.94	1034.07		45.06		2788.14	782.81
AUGUST	782.81	1189.53		96.10		361.57	1514.67
SEPTEMBER	1514.67	446.74		115.21			1846.20
OCTOBER	1846.20	306.03		99.66			2052.57
TOTALS		6342.22	2290.57	1112.51	1543.69	9420.51	

TABLE B
RETURN FLOW WATER WITH TRANSIT LOSS

WATER YEAR 2021	CONTENTS BEGINNING OF	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN	EVAPORATION	ACCOUNT TRANSFER-OUT	PHYSICAL RELEASE	CONTENTS END OF
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	33.11			0.30			32.81
DECEMBER	32.81			0.26			32.55
JANUARY	32.55			0.27			32.28
FEBRUARY	32.28			0.08			32.20
MARCH	32.20		71.34	0.56			102.98
APRIL	102.98			3.30			99.68
MAY	99.68			3.17			96.51
JUNE	96.51		840.01	2.66		933.86	0.00
JULY	0.00			0.00			0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00		216.67	1.37			215.30
OCTOBER	215.30			10.73			204.57
TOTALS		0.00	1128.02	22.70	0.00	933.86	

TABLE A.1
CONSUMABLE WATER
COLORADO UPSTREAM

WATER YEAR 2021	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	2569.60			33.98	3.86		2531.76
DECEMBER	2531.76			21.96			2509.80
JANUARY	2509.80			21.61	1011.97		1476.22
FEBRUARY	1476.22			3.62	9.79		1462.81
MARCH	1462.81			22.50	518.07		922.24
APRIL	922.24			29.09			893.15
MAY	893.15			27.96			865.19
JUNE	865.19			32.44			832.75
JULY	832.75			42.28			790.47
AUGUST	790.47			63.52			726.95
SEPTEMBER	726.95			48.57			678.38
OCTOBER	678.38			33.67			644.71
TOTALS		0.00	0.00	381.20	1543.69	0.00	

TABLE A.2.
CONSUMABLE WATER
COLORADO DOWNSTREAM

WATER YEAR 2021 MONTH	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	2755.38			36.47			2718.91
DECEMBER	2718.91			23.51			2695.40
JANUARY	2695.40			23.80			2671.60
FEBRUARY	2671.60			6.57			2665.03
MARCH	2665.03	36.76		58.46			2643.33
APRIL	2643.33	309.63		86.69			2866.27
MAY	2866.27	1102.01		100.34			3867.94
JUNE	3867.94	1917.45	1817.65	162.78		5683.41	1756.85
JULY	1756.85	1034.07		2.78		2788.14	0.00
AUGUST	0.00	1189.53		32.58		361.57	795.38
SEPTEMBER	795.38	446.74		66.64			1175.48
OCTOBER	1175.48	306.03		65.99			1415.52
TOTALS		6342.22	1817.65	666.61	0.00	8833.12	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

TABLE A.3
KANSAS CONSUMABLE

WATER YEAR 2021	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	EVAPORATION	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF
MONTH	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	0.00	0.00		0.00	0.00		0.00
DECEMBER	0.00	0.00		0.00	0.00		0.00
JANUARY	0.00	0.00		0.00	0.00		0.00
FEBRUARY	0.00	0.00		0.00	0.00		0.00
MARCH*	0.00	0.00		0.00	0.00		0.00
APRIL	0.00	0.00		0.00	0.00		0.00
MAY	0.00	0.00		0.00	0.00		0.00
JUNE	0.00	0.00		0.00	0.00		0.00
JULY	0.00	0.00		0.00	0.00		0.00
AUGUST	0.00	0.00		0.00	0.00		0.00
SEPTEMBER	0.00	0.00		0.00	0.00		0.00
OCTOBER	0.00	0.00		0.00	0.00		0.00
TOTALS		0.00	0.00	0.00	0.00	0.00	

TABLE A.4.
CONSUMABLE WATER
KANSAS STORAGE CHARGE

WATER YEAR 2021	CONTENTS BEGINNING OF	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	EVAPORATION	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	179.17			2.40			176.77
DECEMBER	176.77			1.57			175.20
JANUARY	175.20			1.55			173.65
FEBRUARY	173.65			0.42			173.23
MARCH	173.23		472.92	3.74			642.41
APRIL	642.41			20.27			622.14
MAY	622.14			19.50			602.64
JUNE	602.64			15.25		587.39	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	472.92	64.70	0.00	587.39	

TABLE B.1
RETURN FLOW

WATER YEAR 2021	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	31.36			0.30			31.06
DECEMBER	31.06			0.26			30.80
JANUARY	30.80			0.27			30.53
FEBRUARY	30.53			0.08			30.45
MARCH	30.45		67.67	0.56			97.56
APRIL	97.56			3.09			94.47
MAY	94.47		0.00	2.99			91.48
JUNE	91.48		768.86	2.37		857.97	0.00
JULY	0.00			0.00			0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00		198.28	1.25			197.03
OCTOBER	197.03			9.82			187.21
TOTALS		0.00	1034.81	20.99	0.00	857.97	

TABLE B.2
RETURN FLOW
TRANSIT LOSS

WATER YEAR 2021 MONTH	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	1.75			0.00			1.75
DECEMBER	1.75			0.00			1.75
JANUARY	1.75			0.00			1.75
FEBRUARY	1.75			0.00			1.75
MARCH	1.75		3.67	0.00			5.42
APRIL	5.42			0.21			5.21
MAY	5.21			0.18			5.03
JUNE	5.03		71.15	0.29		75.89	0.00
JULY	0.00			0.00			0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00		18.39	0.12			18.27
OCTOBER	18.27			0.91			17.36
TOTALS		0.00	93.21	1.71	0.00	75.89	

Section 2

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5529.60
1	0.00	0.00	0.00	0.00	2.49	5527.11
2	0.00	0.00	0.00	0.00	2.50	5524.61
3	0.00	0.00	0.00	0.00	2.50	5522.11
4	0.00	0.00	0.00	0.00	2.48	5519.63
5	0.00	0.00	0.00	0.00	2.48	5517.15
6	0.00	0.00	0.00	0.00	2.48	5514.67
7	0.00	0.00	0.00	0.00	2.48	5512.19
8	0.00	0.00	0.00	0.00	2.48	5509.71
9	0.00	0.00	0.00	0.00	2.48	5507.23
10	0.00	0.00	0.00	0.00	2.47	5504.76
11	0.00	0.00	0.00	0.00	2.47	5502.29
12	0.00	0.00	0.00	0.00	2.46	5499.83
13	0.00	0.00	0.00	0.00	2.46	5497.37
14	0.00	0.00	0.00	0.00	2.46	5494.91
15	0.00	0.00	0.00	0.00	2.46	5492.45
16	0.00	0.00	0.00	0.00	2.46	5489.99
17	0.00	0.00	0.00	0.00	2.45	5487.54
18	0.00	0.00	0.00	0.00	2.43	5485.11
19	0.00	0.00	0.00	0.00	2.43	5482.68
20	0.00	0.00	0.00	0.00	2.41	5480.27
21	0.00	0.00	0.00	0.00	2.41	5477.86
22	0.00	0.00	0.00	0.00	2.41	5475.45
23	0.00	0.00	0.00	0.00	2.40	5473.05
24	0.00	0.00	0.00	0.00	2.40	5470.65
25	0.00	0.00	0.00	0.00	2.38	5468.27
26	0.00	0.00	0.00	0.00	2.38	5465.89
27	0.00	0.00	0.00	0.00	2.37	5463.52
28	0.00	0.00	0.00	0.00	2.37	5461.15
29	0.00	0.00	0.00	0.00	2.35	5458.80
30	0.00	0.00	3.86	0.00	2.35	5452.59
	0.00	0.00	3.86	0.00	73.15	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2569.60
1	0.00	0.00	0.00	0.00	1.16	2568.44
2	0.00	0.00	0.00	0.00	1.16	2567.28
3	0.00	0.00	0.00	0.00	1.16	2566.12
4	0.00	0.00	0.00	0.00	1.15	2564.97
5	0.00	0.00	0.00	0.00	1.15	2563.82
6	0.00	0.00	0.00	0.00	1.15	2562.67
7	0.00	0.00	0.00	0.00	1.15	2561.52
8	0.00	0.00	0.00	0.00	1.15	2560.37
9	0.00	0.00	0.00	0.00	1.15	2559.22
10	0.00	0.00	0.00	0.00	1.15	2558.07
11	0.00	0.00	0.00	0.00	1.15	2556.92
12	0.00	0.00	0.00	0.00	1.14	2555.78
13	0.00	0.00	0.00	0.00	1.14	2554.64
14	0.00	0.00	0.00	0.00	1.14	2553.50
15	0.00	0.00	0.00	0.00	1.14	2552.36
16	0.00	0.00	0.00	0.00	1.14	2551.22
17	0.00	0.00	0.00	0.00	1.14	2550.08
18	0.00	0.00	0.00	0.00	1.13	2548.95
19	0.00	0.00	0.00	0.00	1.13	2547.82
20	0.00	0.00	0.00	0.00	1.12	2546.70
21	0.00	0.00	0.00	0.00	1.12	2545.58
22	0.00	0.00	0.00	0.00	1.12	2544.46
23	0.00	0.00	0.00	0.00	1.12	2543.34
24	0.00	0.00	0.00	0.00	1.12	2542.22
25	0.00	0.00	0.00	0.00	1.11	2541.11
26	0.00	0.00	0.00	0.00	1.11	2540.00
27	0.00	0.00	0.00	0.00	1.10	2538.90
28	0.00	0.00	0.00	0.00	1.10	2537.80
29	0.00	0.00	0.00	0.00	1.09	2536.71
30	0.00	0.00	3.86	0.00	1.09	2531.76
	0.00	0.00	3.86	0.00	33.98	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5496.49
1	0.00	0.00	0.00	0.00	2.48	5494.01
2	0.00	0.00	0.00	0.00	2.49	5491.52
3	0.00	0.00	0.00	0.00	2.49	5489.03
4	0.00	0.00	0.00	0.00	2.47	5486.56
5	0.00	0.00	0.00	0.00	2.47	5484.09
6	0.00	0.00	0.00	0.00	2.47	5481.62
7	0.00	0.00	0.00	0.00	2.47	5479.15
8	0.00	0.00	0.00	0.00	2.47	5476.68
9	0.00	0.00	0.00	0.00	2.47	5474.21
10	0.00	0.00	0.00	0.00	2.46	5471.75
11	0.00	0.00	0.00	0.00	2.46	5469.29
12	0.00	0.00	0.00	0.00	2.45	5466.84
13	0.00	0.00	0.00	0.00	2.45	5464.39
14	0.00	0.00	0.00	0.00	2.45	5461.94
15	0.00	0.00	0.00	0.00	2.45	5459.49
16	0.00	0.00	0.00	0.00	2.45	5457.04
17	0.00	0.00	0.00	0.00	2.44	5454.60
18	0.00	0.00	0.00	0.00	2.42	5452.18
19	0.00	0.00	0.00	0.00	2.42	5449.76
20	0.00	0.00	0.00	0.00	2.40	5447.36
21	0.00	0.00	0.00	0.00	2.40	5444.96
22	0.00	0.00	0.00	0.00	2.40	5442.56
23	0.00	0.00	0.00	0.00	2.39	5440.17
24	0.00	0.00	0.00	0.00	2.39	5437.78
25	0.00	0.00	0.00	0.00	2.37	5435.41
26	0.00	0.00	0.00	0.00	2.37	5433.04
27	0.00	0.00	0.00	0.00	2.36	5430.68
28	0.00	0.00	0.00	0.00	2.36	5428.32
29	0.00	0.00	0.00	0.00	2.34	5425.98
30	0.00	0.00	3.86	0.00	2.34	5419.78
	0.00	0.00	3.86	0.00	72.85	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2755.38
1	0.00	0.00	0.00	0.00	1.24	2754.14
2	0.00	0.00	0.00	0.00	1.25	2752.89
3	0.00	0.00	0.00	0.00	1.25	2751.64
4	0.00	0.00	0.00	0.00	1.24	2750.40
5	0.00	0.00	0.00	0.00	1.24	2749.16
6	0.00	0.00	0.00	0.00	1.24	2747.92
7	0.00	0.00	0.00	0.00	1.24	2746.68
8	0.00	0.00	0.00	0.00	1.24	2745.44
9	0.00	0.00	0.00	0.00	1.24	2744.20
10	0.00	0.00	0.00	0.00	1.23	2742.97
11	0.00	0.00	0.00	0.00	1.23	2741.74
12	0.00	0.00	0.00	0.00	1.23	2740.51
13	0.00	0.00	0.00	0.00	1.23	2739.28
14	0.00	0.00	0.00	0.00	1.23	2738.05
15	0.00	0.00	0.00	0.00	1.23	2736.82
16	0.00	0.00	0.00	0.00	1.23	2735.59
17	0.00	0.00	0.00	0.00	1.22	2734.37
18	0.00	0.00	0.00	0.00	1.21	2733.16
19	0.00	0.00	0.00	0.00	1.21	2731.95
20	0.00	0.00	0.00	0.00	1.20	2730.75
21	0.00	0.00	0.00	0.00	1.20	2729.55
22	0.00	0.00	0.00	0.00	1.20	2728.35
23	0.00	0.00	0.00	0.00	1.19	2727.16
24	0.00	0.00	0.00	0.00	1.19	2725.97
25	0.00	0.00	0.00	0.00	1.18	2724.79
26	0.00	0.00	0.00	0.00	1.18	2723.61
27	0.00	0.00	0.00	0.00	1.18	2722.43
28	0.00	0.00	0.00	0.00	1.18	2721.25
29	0.00	0.00	0.00	0.00	1.17	2720.08
30	0.00	0.00	0.00	0.00	1.17	2718.91
	0.00	0.00	0.00	0.00	36.47	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						179.17
1	0.00	0.00	0.00	0.00	0.08	179.09
2	0.00	0.00	0.00	0.00	0.08	179.01
3	0.00	0.00	0.00	0.00	0.08	178.93
4	0.00	0.00	0.00	0.00	0.08	178.85
5	0.00	0.00	0.00	0.00	0.08	178.77
6	0.00	0.00	0.00	0.00	0.08	178.69
7	0.00	0.00	0.00	0.00	0.08	178.61
8	0.00	0.00	0.00	0.00	0.08	178.53
9	0.00	0.00	0.00	0.00	0.08	178.45
10	0.00	0.00	0.00	0.00	0.08	178.37
11	0.00	0.00	0.00	0.00	0.08	178.29
12	0.00	0.00	0.00	0.00	0.08	178.21
13	0.00	0.00	0.00	0.00	0.08	178.13
14	0.00	0.00	0.00	0.00	0.08	178.05
15	0.00	0.00	0.00	0.00	0.08	177.97
16	0.00	0.00	0.00	0.00	0.08	177.89
17	0.00	0.00	0.00	0.00	0.08	177.81
18	0.00	0.00	0.00	0.00	0.08	177.73
19	0.00	0.00	0.00	0.00	0.08	177.65
20	0.00	0.00	0.00	0.00	0.08	177.57
21	0.00	0.00	0.00	0.00	0.08	177.49
22	0.00	0.00	0.00	0.00	0.08	177.41
23	0.00	0.00	0.00	0.00	0.08	177.33
24	0.00	0.00	0.00	0.00	0.08	177.25
25	0.00	0.00	0.00	0.00	0.08	177.17
26	0.00	0.00	0.00	0.00	0.08	177.09
27	0.00	0.00	0.00	0.00	0.08	177.01
28	0.00	0.00	0.00	0.00	0.08	176.93
29	0.00	0.00	0.00	0.00	0.08	176.85
30	0.00	0.00	0.00	0.00	0.08	176.77
	0.00	0.00	0.00	0.00	2.40	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						33.11
1	0.00	0.00	0.00	0.00	0.01	33.10
2	0.00	0.00	0.00	0.00	0.01	33.09
3	0.00	0.00	0.00	0.00	0.01	33.08
4	0.00	0.00	0.00	0.00	0.01	33.07
5	0.00	0.00	0.00	0.00	0.01	33.06
6	0.00	0.00	0.00	0.00	0.01	33.05
7	0.00	0.00	0.00	0.00	0.01	33.04
8	0.00	0.00	0.00	0.00	0.01	33.03
9	0.00	0.00	0.00	0.00	0.01	33.02
10	0.00	0.00	0.00	0.00	0.01	33.01
11	0.00	0.00	0.00	0.00	0.01	33.00
12	0.00	0.00	0.00	0.00	0.01	32.99
13	0.00	0.00	0.00	0.00	0.01	32.98
14	0.00	0.00	0.00	0.00	0.01	32.97
15	0.00	0.00	0.00	0.00	0.01	32.96
16	0.00	0.00	0.00	0.00	0.01	32.95
17	0.00	0.00	0.00	0.00	0.01	32.94
18	0.00	0.00	0.00	0.00	0.01	32.93
19	0.00	0.00	0.00	0.00	0.01	32.92
20	0.00	0.00	0.00	0.00	0.01	32.91
21	0.00	0.00	0.00	0.00	0.01	32.90
22	0.00	0.00	0.00	0.00	0.01	32.89
23	0.00	0.00	0.00	0.00	0.01	32.88
24	0.00	0.00	0.00	0.00	0.01	32.87
25	0.00	0.00	0.00	0.00	0.01	32.86
26	0.00	0.00	0.00	0.00	0.01	32.85
27	0.00	0.00	0.00	0.00	0.01	32.84
28	0.00	0.00	0.00	0.00	0.01	32.83
29	0.00	0.00	0.00	0.00	0.01	32.82
30	0.00	0.00	0.00	0.00	0.01	32.81
	0.00	0.00	0.00	0.00	0.30	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2229.32
1	0.00	0.00	0.00	0.00	1.01	2228.31
2	0.00	0.00	0.00	0.00	1.01	2227.30
3	0.00	0.00	0.00	0.00	1.01	2226.29
4	0.00	0.00	0.00	0.00	1.00	2225.29
5	0.00	0.00	0.00	0.00	1.00	2224.29
6	0.00	0.00	0.00	0.00	1.00	2223.29
7	0.00	0.00	0.00	0.00	1.00	2222.29
8	0.00	0.00	0.00	0.00	1.00	2221.29
9	0.00	0.00	0.00	0.00	1.00	2220.29
10	0.00	0.00	0.00	0.00	1.00	2219.29
11	0.00	0.00	0.00	0.00	1.00	2218.29
12	0.00	0.00	0.00	0.00	0.99	2217.30
13	0.00	0.00	0.00	0.00	0.99	2216.31
14	0.00	0.00	0.00	0.00	0.99	2215.32
15	0.00	0.00	0.00	0.00	0.99	2214.33
16	0.00	0.00	0.00	0.00	0.99	2213.34
17	0.00	0.00	0.00	0.00	0.99	2212.35
18	0.00	0.00	0.00	0.00	0.98	2211.37
19	0.00	0.00	0.00	0.00	0.98	2210.39
20	0.00	0.00	0.00	0.00	0.97	2209.42
21	0.00	0.00	0.00	0.00	0.97	2208.45
22	0.00	0.00	0.00	0.00	0.97	2207.48
23	0.00	0.00	0.00	0.00	0.97	2206.51
24	0.00	0.00	0.00	0.00	0.97	2205.54
25	0.00	0.00	0.00	0.00	0.96	2204.58
26	0.00	0.00	0.00	0.00	0.96	2203.62
27	0.00	0.00	0.00	0.00	0.95	2202.67
28	0.00	0.00	0.00	0.00	0.95	2201.72
29	0.00	0.00	0.00	0.00	0.95	2200.77
30	0.00	0.00	3.86	0.00	0.95	2195.96
	0.00	0.00	3.86	0.00	29.50	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						31.36
1	0.00	0.00	0.00	0.00	0.01	31.35
2	0.00	0.00	0.00	0.00	0.01	31.34
3	0.00	0.00	0.00	0.00	0.01	31.33
4	0.00	0.00	0.00	0.00	0.01	31.32
5	0.00	0.00	0.00	0.00	0.01	31.31
6	0.00	0.00	0.00	0.00	0.01	31.30
7	0.00	0.00	0.00	0.00	0.01	31.29
8	0.00	0.00	0.00	0.00	0.01	31.28
9	0.00	0.00	0.00	0.00	0.01	31.27
10	0.00	0.00	0.00	0.00	0.01	31.26
11	0.00	0.00	0.00	0.00	0.01	31.25
12	0.00	0.00	0.00	0.00	0.01	31.24
13	0.00	0.00	0.00	0.00	0.01	31.23
14	0.00	0.00	0.00	0.00	0.01	31.22
15	0.00	0.00	0.00	0.00	0.01	31.21
16	0.00	0.00	0.00	0.00	0.01	31.20
17	0.00	0.00	0.00	0.00	0.01	31.19
18	0.00	0.00	0.00	0.00	0.01	31.18
19	0.00	0.00	0.00	0.00	0.01	31.17
20	0.00	0.00	0.00	0.00	0.01	31.16
21	0.00	0.00	0.00	0.00	0.01	31.15
22	0.00	0.00	0.00	0.00	0.01	31.14
23	0.00	0.00	0.00	0.00	0.01	31.13
24	0.00	0.00	0.00	0.00	0.01	31.12
25	0.00	0.00	0.00	0.00	0.01	31.11
26	0.00	0.00	0.00	0.00	0.01	31.10
27	0.00	0.00	0.00	0.00	0.01	31.09
28	0.00	0.00	0.00	0.00	0.01	31.08
29	0.00	0.00	0.00	0.00	0.01	31.07
30	0.00	0.00	0.00	0.00	0.01	31.06
	0.00	0.00	0.00	0.00	0.30	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						340.28
1	0.00	0.00	0.00	0.00	0.15	340.13
2	0.00	0.00	0.00	0.00	0.15	339.98
3	0.00	0.00	0.00	0.00	0.15	339.83
4	0.00	0.00	0.00	0.00	0.15	339.68
5	0.00	0.00	0.00	0.00	0.15	339.53
6	0.00	0.00	0.00	0.00	0.15	339.38
7	0.00	0.00	0.00	0.00	0.15	339.23
8	0.00	0.00	0.00	0.00	0.15	339.08
9	0.00	0.00	0.00	0.00	0.15	338.93
10	0.00	0.00	0.00	0.00	0.15	338.78
11	0.00	0.00	0.00	0.00	0.15	338.63
12	0.00	0.00	0.00	0.00	0.15	338.48
13	0.00	0.00	0.00	0.00	0.15	338.33
14	0.00	0.00	0.00	0.00	0.15	338.18
15	0.00	0.00	0.00	0.00	0.15	338.03
16	0.00	0.00	0.00	0.00	0.15	337.88
17	0.00	0.00	0.00	0.00	0.15	337.73
18	0.00	0.00	0.00	0.00	0.15	337.58
19	0.00	0.00	0.00	0.00	0.15	337.43
20	0.00	0.00	0.00	0.00	0.15	337.28
21	0.00	0.00	0.00	0.00	0.15	337.13
22	0.00	0.00	0.00	0.00	0.15	336.98
23	0.00	0.00	0.00	0.00	0.15	336.83
24	0.00	0.00	0.00	0.00	0.15	336.68
25	0.00	0.00	0.00	0.00	0.15	336.53
26	0.00	0.00	0.00	0.00	0.15	336.38
27	0.00	0.00	0.00	0.00	0.15	336.23
28	0.00	0.00	0.00	0.00	0.15	336.08
29	0.00	0.00	0.00	0.00	0.14	335.94
30	0.00	0.00	0.00	0.00	0.14	335.80
	0.00	0.00	0.00	0.00	4.48	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5452.59
1	0.00	0.00	0.00	0.00	2.09	5450.50
2	0.00	0.00	0.00	0.00	2.09	5448.41
3	0.00	0.00	0.00	0.00	2.08	5446.33
4	0.00	0.00	0.00	0.00	2.08	5444.25
5	0.00	0.00	0.00	0.00	2.07	5442.18
6	0.00	0.00	0.00	0.00	2.07	5440.11
7	0.00	0.00	0.00	0.00	2.07	5438.04
8	0.00	0.00	0.00	0.00	2.06	5435.98
9	0.00	0.00	0.00	0.00	2.06	5433.92
10	0.00	0.00	0.00	0.00	2.05	5431.87
11	0.00	0.00	0.00	0.00	2.05	5429.82
12	0.00	0.00	0.00	0.00	2.05	5427.77
13	0.00	0.00	0.00	0.00	2.05	5425.72
14	0.00	0.00	0.00	0.00	2.03	5423.69
15	0.00	0.00	0.00	0.00	2.03	5421.66
16	0.00	0.00	0.00	0.00	1.31	5420.35
17	0.00	0.00	0.00	0.00	1.01	5419.34
18	0.00	0.00	0.00	0.00	1.01	5418.33
19	0.00	0.00	0.00	0.00	1.01	5417.32
20	0.00	0.00	0.00	0.00	0.80	5416.52
21	0.00	0.00	0.00	0.00	0.69	5415.83
22	0.00	0.00	0.00	0.00	0.50	5415.33
23	0.00	0.00	0.00	0.00	0.80	5414.53
24	0.00	0.00	0.00	0.00	0.91	5413.62
25	0.00	0.00	0.00	0.00	0.91	5412.71
26	0.00	0.00	0.00	0.00	0.99	5411.72
27	0.00	0.00	0.00	0.00	1.29	5410.43
28	0.00	0.00	0.00	0.00	1.29	5409.14
29	0.00	0.00	0.00	0.00	1.79	5407.35
30	0.00	0.00	0.00	0.00	0.10	5407.25
31	0.00	0.00	0.00	0.00	1.96	5405.29
	0.00	0.00	0.00	0.00	47.30	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2531.76
1	0.00	0.00	0.00	0.00	0.97	2530.79
2	0.00	0.00	0.00	0.00	0.97	2529.82
3	0.00	0.00	0.00	0.00	0.97	2528.85
4	0.00	0.00	0.00	0.00	0.97	2527.88
5	0.00	0.00	0.00	0.00	0.96	2526.92
6	0.00	0.00	0.00	0.00	0.96	2525.96
7	0.00	0.00	0.00	0.00	0.96	2525.00
8	0.00	0.00	0.00	0.00	0.96	2524.04
9	0.00	0.00	0.00	0.00	0.96	2523.08
10	0.00	0.00	0.00	0.00	0.95	2522.13
11	0.00	0.00	0.00	0.00	0.95	2521.18
12	0.00	0.00	0.00	0.00	0.95	2520.23
13	0.00	0.00	0.00	0.00	0.95	2519.28
14	0.00	0.00	0.00	0.00	0.94	2518.34
15	0.00	0.00	0.00	0.00	0.94	2517.40
16	0.00	0.00	0.00	0.00	0.61	2516.79
17	0.00	0.00	0.00	0.00	0.47	2516.32
18	0.00	0.00	0.00	0.00	0.47	2515.85
19	0.00	0.00	0.00	0.00	0.47	2515.38
20	0.00	0.00	0.00	0.00	0.37	2515.01
21	0.00	0.00	0.00	0.00	0.32	2514.69
22	0.00	0.00	0.00	0.00	0.23	2514.46
23	0.00	0.00	0.00	0.00	0.37	2514.09
24	0.00	0.00	0.00	0.00	0.42	2513.67
25	0.00	0.00	0.00	0.00	0.42	2513.25
26	0.00	0.00	0.00	0.00	0.46	2512.79
27	0.00	0.00	0.00	0.00	0.60	2512.19
28	0.00	0.00	0.00	0.00	0.60	2511.59
29	0.00	0.00	0.00	0.00	0.83	2510.76
30	0.00	0.00	0.00	0.00	0.05	2510.71
31	0.00	0.00	0.00	0.00	0.91	2509.80
	0.00	0.00	0.00	0.00	21.96	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5419.78
1	0.00	0.00	0.00	0.00	2.08	5417.70
2	0.00	0.00	0.00	0.00	2.08	5415.62
3	0.00	0.00	0.00	0.00	2.07	5413.55
4	0.00	0.00	0.00	0.00	2.07	5411.48
5	0.00	0.00	0.00	0.00	2.06	5409.42
6	0.00	0.00	0.00	0.00	2.06	5407.36
7	0.00	0.00	0.00	0.00	2.06	5405.30
8	0.00	0.00	0.00	0.00	2.05	5403.25
9	0.00	0.00	0.00	0.00	2.05	5401.20
10	0.00	0.00	0.00	0.00	2.04	5399.16
11	0.00	0.00	0.00	0.00	2.04	5397.12
12	0.00	0.00	0.00	0.00	2.04	5395.08
13	0.00	0.00	0.00	0.00	2.04	5393.04
14	0.00	0.00	0.00	0.00	2.02	5391.02
15	0.00	0.00	0.00	0.00	2.02	5389.00
16	0.00	0.00	0.00	0.00	1.30	5387.70
17	0.00	0.00	0.00	0.00	1.00	5386.70
18	0.00	0.00	0.00	0.00	1.00	5385.70
19	0.00	0.00	0.00	0.00	1.00	5384.70
20	0.00	0.00	0.00	0.00	0.80	5383.90
21	0.00	0.00	0.00	0.00	0.69	5383.21
22	0.00	0.00	0.00	0.00	0.50	5382.71
23	0.00	0.00	0.00	0.00	0.80	5381.91
24	0.00	0.00	0.00	0.00	0.90	5381.01
25	0.00	0.00	0.00	0.00	0.90	5380.11
26	0.00	0.00	0.00	0.00	0.98	5379.13
27	0.00	0.00	0.00	0.00	1.28	5377.85
28	0.00	0.00	0.00	0.00	1.28	5376.57
29	0.00	0.00	0.00	0.00	1.78	5374.79
30	0.00	0.00	0.00	0.00	0.10	5374.69
31	0.00	0.00	0.00	0.00	1.95	5372.74
	0.00	0.00	0.00	0.00	47.04	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2718.91
1	0.00	0.00	0.00	0.00	1.04	2717.87
2	0.00	0.00	0.00	0.00	1.04	2716.83
3	0.00	0.00	0.00	0.00	1.03	2715.80
4	0.00	0.00	0.00	0.00	1.03	2714.77
5	0.00	0.00	0.00	0.00	1.03	2713.74
6	0.00	0.00	0.00	0.00	1.03	2712.71
7	0.00	0.00	0.00	0.00	1.03	2711.68
8	0.00	0.00	0.00	0.00	1.02	2710.66
9	0.00	0.00	0.00	0.00	1.02	2709.64
10	0.00	0.00	0.00	0.00	1.02	2708.62
11	0.00	0.00	0.00	0.00	1.02	2707.60
12	0.00	0.00	0.00	0.00	1.02	2706.58
13	0.00	0.00	0.00	0.00	1.02	2705.56
14	0.00	0.00	0.00	0.00	1.01	2704.55
15	0.00	0.00	0.00	0.00	1.01	2703.54
16	0.00	0.00	0.00	0.00	0.65	2702.89
17	0.00	0.00	0.00	0.00	0.50	2702.39
18	0.00	0.00	0.00	0.00	0.50	2701.89
19	0.00	0.00	0.00	0.00	0.50	2701.39
20	0.00	0.00	0.00	0.00	0.40	2700.99
21	0.00	0.00	0.00	0.00	0.35	2700.64
22	0.00	0.00	0.00	0.00	0.25	2700.39
23	0.00	0.00	0.00	0.00	0.40	2699.99
24	0.00	0.00	0.00	0.00	0.45	2699.54
25	0.00	0.00	0.00	0.00	0.45	2699.09
26	0.00	0.00	0.00	0.00	0.49	2698.60
27	0.00	0.00	0.00	0.00	0.64	2697.96
28	0.00	0.00	0.00	0.00	0.64	2697.32
29	0.00	0.00	0.00	0.00	0.89	2696.43
30	0.00	0.00	0.00	0.00	0.05	2696.38
31	0.00	0.00	0.00	0.00	0.98	2695.40
	0.00	0.00	0.00	0.00	23.51	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						176.77
1	0.00	0.00	0.00	0.00	0.07	176.70
2	0.00	0.00	0.00	0.00	0.07	176.63
3	0.00	0.00	0.00	0.00	0.07	176.56
4	0.00	0.00	0.00	0.00	0.07	176.49
5	0.00	0.00	0.00	0.00	0.07	176.42
6	0.00	0.00	0.00	0.00	0.07	176.35
7	0.00	0.00	0.00	0.00	0.07	176.28
8	0.00	0.00	0.00	0.00	0.07	176.21
9	0.00	0.00	0.00	0.00	0.07	176.14
10	0.00	0.00	0.00	0.00	0.07	176.07
11	0.00	0.00	0.00	0.00	0.07	176.00
12	0.00	0.00	0.00	0.00	0.07	175.93
13	0.00	0.00	0.00	0.00	0.07	175.86
14	0.00	0.00	0.00	0.00	0.07	175.79
15	0.00	0.00	0.00	0.00	0.07	175.72
16	0.00	0.00	0.00	0.00	0.04	175.68
17	0.00	0.00	0.00	0.00	0.03	175.65
18	0.00	0.00	0.00	0.00	0.03	175.62
19	0.00	0.00	0.00	0.00	0.03	175.59
20	0.00	0.00	0.00	0.00	0.03	175.56
21	0.00	0.00	0.00	0.00	0.02	175.54
22	0.00	0.00	0.00	0.00	0.02	175.52
23	0.00	0.00	0.00	0.00	0.03	175.49
24	0.00	0.00	0.00	0.00	0.03	175.46
25	0.00	0.00	0.00	0.00	0.03	175.43
26	0.00	0.00	0.00	0.00	0.03	175.40
27	0.00	0.00	0.00	0.00	0.04	175.36
28	0.00	0.00	0.00	0.00	0.04	175.32
29	0.00	0.00	0.00	0.00	0.06	175.26
30	0.00	0.00	0.00	0.00	0.00	175.26
31	0.00	0.00	0.00	0.00	0.06	175.20
	0.00	0.00	0.00	0.00	1.57	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.81
1	0.00	0.00	0.00	0.00	0.01	32.80
2	0.00	0.00	0.00	0.00	0.01	32.79
3	0.00	0.00	0.00	0.00	0.01	32.78
4	0.00	0.00	0.00	0.00	0.01	32.77
5	0.00	0.00	0.00	0.00	0.01	32.76
6	0.00	0.00	0.00	0.00	0.01	32.75
7	0.00	0.00	0.00	0.00	0.01	32.74
8	0.00	0.00	0.00	0.00	0.01	32.73
9	0.00	0.00	0.00	0.00	0.01	32.72
10	0.00	0.00	0.00	0.00	0.01	32.71
11	0.00	0.00	0.00	0.00	0.01	32.70
12	0.00	0.00	0.00	0.00	0.01	32.69
13	0.00	0.00	0.00	0.00	0.01	32.68
14	0.00	0.00	0.00	0.00	0.01	32.67
15	0.00	0.00	0.00	0.00	0.01	32.66
16	0.00	0.00	0.00	0.00	0.01	32.65
17	0.00	0.00	0.00	0.00	0.01	32.64
18	0.00	0.00	0.00	0.00	0.01	32.63
19	0.00	0.00	0.00	0.00	0.01	32.62
20	0.00	0.00	0.00	0.00	0.00	32.62
21	0.00	0.00	0.00	0.00	0.00	32.62
22	0.00	0.00	0.00	0.00	0.00	32.62
23	0.00	0.00	0.00	0.00	0.00	32.62
24	0.00	0.00	0.00	0.00	0.01	32.61
25	0.00	0.00	0.00	0.00	0.01	32.60
26	0.00	0.00	0.00	0.00	0.01	32.59
27	0.00	0.00	0.00	0.00	0.01	32.58
28	0.00	0.00	0.00	0.00	0.01	32.57
29	0.00	0.00	0.00	0.00	0.01	32.56
30	0.00	0.00	0.00	0.00	0.00	32.56
31	0.00	0.00	0.00	0.00	0.01	32.55
	0.00	0.00	0.00	0.00	0.26	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2195.96
1	0.00	0.00	0.00	0.00	0.84	2195.12
2	0.00	0.00	0.00	0.00	0.84	2194.28
3	0.00	0.00	0.00	0.00	0.84	2193.44
4	0.00	0.00	0.00	0.00	0.84	2192.60
5	0.00	0.00	0.00	0.00	0.83	2191.77
6	0.00	0.00	0.00	0.00	0.83	2190.94
7	0.00	0.00	0.00	0.00	0.83	2190.11
8	0.00	0.00	0.00	0.00	0.83	2189.28
9	0.00	0.00	0.00	0.00	0.83	2188.45
10	0.00	0.00	0.00	0.00	0.82	2187.63
11	0.00	0.00	0.00	0.00	0.82	2186.81
12	0.00	0.00	0.00	0.00	0.82	2185.99
13	0.00	0.00	0.00	0.00	0.82	2185.17
14	0.00	0.00	0.00	0.00	0.82	2184.35
15	0.00	0.00	0.00	0.00	0.82	2183.53
16	0.00	0.00	0.00	0.00	0.53	2183.00
17	0.00	0.00	0.00	0.00	0.41	2182.59
18	0.00	0.00	0.00	0.00	0.41	2182.18
19	0.00	0.00	0.00	0.00	0.41	2181.77
20	0.00	0.00	0.00	0.00	0.32	2181.45
21	0.00	0.00	0.00	0.00	0.28	2181.17
22	0.00	0.00	0.00	0.00	0.20	2180.97
23	0.00	0.00	0.00	0.00	0.32	2180.65
24	0.00	0.00	0.00	0.00	0.36	2180.29
25	0.00	0.00	0.00	0.00	0.36	2179.93
26	0.00	0.00	0.00	0.00	0.40	2179.53
27	0.00	0.00	0.00	0.00	0.52	2179.01
28	0.00	0.00	0.00	0.00	0.52	2178.49
29	0.00	0.00	0.00	0.00	0.72	2177.77
30	0.00	0.00	0.00	0.00	0.04	2177.73
31	0.00	0.00	0.00	0.00	0.79	2176.94
	0.00	0.00	0.00	0.00	19.02	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						31.06
1	0.00	0.00	0.00	0.00	0.01	31.05
2	0.00	0.00	0.00	0.00	0.01	31.04
3	0.00	0.00	0.00	0.00	0.01	31.03
4	0.00	0.00	0.00	0.00	0.01	31.02
5	0.00	0.00	0.00	0.00	0.01	31.01
6	0.00	0.00	0.00	0.00	0.01	31.00
7	0.00	0.00	0.00	0.00	0.01	30.99
8	0.00	0.00	0.00	0.00	0.01	30.98
9	0.00	0.00	0.00	0.00	0.01	30.97
10	0.00	0.00	0.00	0.00	0.01	30.96
11	0.00	0.00	0.00	0.00	0.01	30.95
12	0.00	0.00	0.00	0.00	0.01	30.94
13	0.00	0.00	0.00	0.00	0.01	30.93
14	0.00	0.00	0.00	0.00	0.01	30.92
15	0.00	0.00	0.00	0.00	0.01	30.91
16	0.00	0.00	0.00	0.00	0.01	30.90
17	0.00	0.00	0.00	0.00	0.01	30.89
18	0.00	0.00	0.00	0.00	0.01	30.88
19	0.00	0.00	0.00	0.00	0.01	30.87
20	0.00	0.00	0.00	0.00	0.00	30.87
21	0.00	0.00	0.00	0.00	0.00	30.87
22	0.00	0.00	0.00	0.00	0.00	30.87
23	0.00	0.00	0.00	0.00	0.00	30.87
24	0.00	0.00	0.00	0.00	0.01	30.86
25	0.00	0.00	0.00	0.00	0.01	30.85
26	0.00	0.00	0.00	0.00	0.01	30.84
27	0.00	0.00	0.00	0.00	0.01	30.83
28	0.00	0.00	0.00	0.00	0.01	30.82
29	0.00	0.00	0.00	0.00	0.01	30.81
30	0.00	0.00	0.00	0.00	0.00	30.81
31	0.00	0.00	0.00	0.00	0.01	30.80
	0.00	0.00	0.00	0.00	0.26	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						335.80
1	0.00	0.00	0.00	0.00	0.13	335.67
2	0.00	0.00	0.00	0.00	0.13	335.54
3	0.00	0.00	0.00	0.00	0.13	335.41
4	0.00	0.00	0.00	0.00	0.13	335.28
5	0.00	0.00	0.00	0.00	0.13	335.15
6	0.00	0.00	0.00	0.00	0.13	335.02
7	0.00	0.00	0.00	0.00	0.13	334.89
8	0.00	0.00	0.00	0.00	0.13	334.76
9	0.00	0.00	0.00	0.00	0.13	334.63
10	0.00	0.00	0.00	0.00	0.13	334.50
11	0.00	0.00	0.00	0.00	0.13	334.37
12	0.00	0.00	0.00	0.00	0.13	334.24
13	0.00	0.00	0.00	0.00	0.13	334.11
14	0.00	0.00	0.00	0.00	0.12	333.99
15	0.00	0.00	0.00	0.00	0.12	333.87
16	0.00	0.00	0.00	0.00	0.08	333.79
17	0.00	0.00	0.00	0.00	0.06	333.73
18	0.00	0.00	0.00	0.00	0.06	333.67
19	0.00	0.00	0.00	0.00	0.06	333.61
20	0.00	0.00	0.00	0.00	0.05	333.56
21	0.00	0.00	0.00	0.00	0.04	333.52
22	0.00	0.00	0.00	0.00	0.03	333.49
23	0.00	0.00	0.00	0.00	0.05	333.44
24	0.00	0.00	0.00	0.00	0.06	333.38
25	0.00	0.00	0.00	0.00	0.06	333.32
26	0.00	0.00	0.00	0.00	0.06	333.26
27	0.00	0.00	0.00	0.00	0.08	333.18
28	0.00	0.00	0.00	0.00	0.08	333.10
29	0.00	0.00	0.00	0.00	0.11	332.99
30	0.00	0.00	0.00	0.00	0.01	332.98
31	0.00	0.00	0.00	0.00	0.12	332.86
	0.00	0.00	0.00	0.00	2.94	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5405.29
1	0.00	0.00	0.00	0.00	1.96	5403.33
2	0.00	0.00	0.00	0.00	1.94	5401.39
3	0.00	0.00	0.00	0.00	1.27	5400.12
4	0.00	0.00	0.00	0.00	0.30	5399.82
5	0.00	0.00	10.69	0.00	1.47	5387.66
6	0.00	0.00	0.00	0.00	1.89	5385.77
7	0.00	0.00	0.00	0.00	1.16	5384.61
8	0.00	0.00	0.00	0.00	1.34	5383.27
9	0.00	0.00	0.00	0.00	1.62	5381.65
10	0.00	0.00	0.00	0.00	1.84	5379.81
11	0.00	0.00	0.00	0.00	1.81	5378.00
12	0.00	0.00	0.00	0.00	1.75	5376.25
13	0.00	0.00	0.00	0.00	1.86	5374.39
14	0.00	0.00	0.00	0.00	1.84	5372.55
15	0.00	0.00	0.00	0.00	1.82	5370.73
16	0.00	0.00	0.00	0.00	1.82	5368.91
17	0.00	0.00	0.00	0.00	1.82	5367.09
18	0.00	0.00	0.00	0.00	1.84	5365.25
19	0.00	0.00	0.00	0.00	1.84	5363.41
20	0.00	0.00	0.00	0.00	1.82	5361.59
21	0.00	0.00	0.00	0.00	1.75	5359.84
22	0.00	0.00	0.00	0.00	1.86	5357.98
23	0.00	0.00	0.00	0.00	1.86	5356.12
24	0.00	0.00	0.00	0.00	1.73	5354.39
25	0.00	0.00	0.00	0.00	1.66	5352.73
26	0.00	0.00	0.00	0.00	1.02	5351.71
27	0.00	0.00	0.00	0.00	0.28	5351.43
28	0.00	0.00	0.00	0.00	0.28	5351.15
29	0.00	0.00	1001.28	0.00	1.82	4348.05
30	0.00	0.00	0.00	0.00	1.48	4346.57
31	0.00	0.00	0.00	0.00	0.48	4346.09
	0.00	0.00	1011.97	0.00	47.23	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2509.80
1	0.00	0.00	0.00	0.00	0.91	2508.89
2	0.00	0.00	0.00	0.00	0.90	2507.99
3	0.00	0.00	0.00	0.00	0.59	2507.40
4	0.00	0.00	0.00	0.00	0.14	2507.26
5	0.00	0.00	10.69	0.00	0.68	2495.89
6	0.00	0.00	0.00	0.00	0.88	2495.01
7	0.00	0.00	0.00	0.00	0.53	2494.48
8	0.00	0.00	0.00	0.00	0.62	2493.86
9	0.00	0.00	0.00	0.00	0.75	2493.11
10	0.00	0.00	0.00	0.00	0.85	2492.26
11	0.00	0.00	0.00	0.00	0.84	2491.42
12	0.00	0.00	0.00	0.00	0.81	2490.61
13	0.00	0.00	0.00	0.00	0.86	2489.75
14	0.00	0.00	0.00	0.00	0.85	2488.90
15	0.00	0.00	0.00	0.00	0.84	2488.06
16	0.00	0.00	0.00	0.00	0.84	2487.22
17	0.00	0.00	0.00	0.00	0.84	2486.38
18	0.00	0.00	0.00	0.00	0.85	2485.53
19	0.00	0.00	0.00	0.00	0.85	2484.68
20	0.00	0.00	0.00	0.00	0.84	2483.84
21	0.00	0.00	0.00	0.00	0.81	2483.03
22	0.00	0.00	0.00	0.00	0.86	2482.17
23	0.00	0.00	0.00	0.00	0.86	2481.31
24	0.00	0.00	0.00	0.00	0.80	2480.51
25	0.00	0.00	0.00	0.00	0.77	2479.74
26	0.00	0.00	0.00	0.00	0.47	2479.27
27	0.00	0.00	0.00	0.00	0.13	2479.14
28	0.00	0.00	0.00	0.00	0.13	2479.01
29	0.00	0.00	1001.28	0.00	0.84	1476.89
30	0.00	0.00	0.00	0.00	0.50	1476.39
31	0.00	0.00	0.00	0.00	0.17	1476.22
	0.00	0.00	1011.97	0.00	21.61	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5372.74
1	0.00	0.00	0.00	0.00	1.95	5370.79
2	0.00	0.00	0.00	0.00	1.93	5368.86
3	0.00	0.00	0.00	0.00	1.26	5367.60
4	0.00	0.00	0.00	0.00	0.30	5367.30
5	0.00	0.00	10.69	0.00	1.46	5355.15
6	0.00	0.00	0.00	0.00	1.88	5353.27
7	0.00	0.00	0.00	0.00	1.15	5352.12
8	0.00	0.00	0.00	0.00	1.33	5350.79
9	0.00	0.00	0.00	0.00	1.61	5349.18
10	0.00	0.00	0.00	0.00	1.83	5347.35
11	0.00	0.00	0.00	0.00	1.80	5345.55
12	0.00	0.00	0.00	0.00	1.74	5343.81
13	0.00	0.00	0.00	0.00	1.85	5341.96
14	0.00	0.00	0.00	0.00	1.83	5340.13
15	0.00	0.00	0.00	0.00	1.81	5338.32
16	0.00	0.00	0.00	0.00	1.81	5336.51
17	0.00	0.00	0.00	0.00	1.81	5334.70
18	0.00	0.00	0.00	0.00	1.83	5332.87
19	0.00	0.00	0.00	0.00	1.83	5331.04
20	0.00	0.00	0.00	0.00	1.81	5329.23
21	0.00	0.00	0.00	0.00	1.74	5327.49
22	0.00	0.00	0.00	0.00	1.85	5325.64
23	0.00	0.00	0.00	0.00	1.85	5323.79
24	0.00	0.00	0.00	0.00	1.72	5322.07
25	0.00	0.00	0.00	0.00	1.65	5320.42
26	0.00	0.00	0.00	0.00	1.01	5319.41
27	0.00	0.00	0.00	0.00	0.28	5319.13
28	0.00	0.00	0.00	0.00	0.28	5318.85
29	0.00	0.00	1001.28	0.00	1.81	4315.76
30	0.00	0.00	0.00	0.00	1.47	4314.29
31	0.00	0.00	0.00	0.00	0.48	4313.81
	0.00	0.00	1011.97	0.00	46.96	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2695.40
1	0.00	0.00	0.00	0.00	0.98	2694.42
2	0.00	0.00	0.00	0.00	0.97	2693.45
3	0.00	0.00	0.00	0.00	0.63	2692.82
4	0.00	0.00	0.00	0.00	0.15	2692.67
5	0.00	0.00	0.00	0.00	0.73	2691.94
6	0.00	0.00	0.00	0.00	0.94	2691.00
7	0.00	0.00	0.00	0.00	0.58	2690.42
8	0.00	0.00	0.00	0.00	0.67	2689.75
9	0.00	0.00	0.00	0.00	0.81	2688.94
10	0.00	0.00	0.00	0.00	0.92	2688.02
11	0.00	0.00	0.00	0.00	0.90	2687.12
12	0.00	0.00	0.00	0.00	0.87	2686.25
13	0.00	0.00	0.00	0.00	0.93	2685.32
14	0.00	0.00	0.00	0.00	0.92	2684.40
15	0.00	0.00	0.00	0.00	0.91	2683.49
16	0.00	0.00	0.00	0.00	0.91	2682.58
17	0.00	0.00	0.00	0.00	0.91	2681.67
18	0.00	0.00	0.00	0.00	0.92	2680.75
19	0.00	0.00	0.00	0.00	0.92	2679.83
20	0.00	0.00	0.00	0.00	0.91	2678.92
21	0.00	0.00	0.00	0.00	0.87	2678.05
22	0.00	0.00	0.00	0.00	0.93	2677.12
23	0.00	0.00	0.00	0.00	0.93	2676.19
24	0.00	0.00	0.00	0.00	0.86	2675.33
25	0.00	0.00	0.00	0.00	0.83	2674.50
26	0.00	0.00	0.00	0.00	0.51	2673.99
27	0.00	0.00	0.00	0.00	0.14	2673.85
28	0.00	0.00	0.00	0.00	0.14	2673.71
29	0.00	0.00	0.00	0.00	0.91	2672.80
30	0.00	0.00	0.00	0.00	0.91	2671.89
31	0.00	0.00	0.00	0.00	0.29	2671.60
	0.00	0.00	0.00	0.00	23.80	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						175.20
1	0.00	0.00	0.00	0.00	0.06	175.14
2	0.00	0.00	0.00	0.00	0.06	175.08
3	0.00	0.00	0.00	0.00	0.04	175.04
4	0.00	0.00	0.00	0.00	0.01	175.03
5	0.00	0.00	0.00	0.00	0.05	174.98
6	0.00	0.00	0.00	0.00	0.06	174.92
7	0.00	0.00	0.00	0.00	0.04	174.88
8	0.00	0.00	0.00	0.00	0.04	174.84
9	0.00	0.00	0.00	0.00	0.05	174.79
10	0.00	0.00	0.00	0.00	0.06	174.73
11	0.00	0.00	0.00	0.00	0.06	174.67
12	0.00	0.00	0.00	0.00	0.06	174.61
13	0.00	0.00	0.00	0.00	0.06	174.55
14	0.00	0.00	0.00	0.00	0.06	174.49
15	0.00	0.00	0.00	0.00	0.06	174.43
16	0.00	0.00	0.00	0.00	0.06	174.37
17	0.00	0.00	0.00	0.00	0.06	174.31
18	0.00	0.00	0.00	0.00	0.06	174.25
19	0.00	0.00	0.00	0.00	0.06	174.19
20	0.00	0.00	0.00	0.00	0.06	174.13
21	0.00	0.00	0.00	0.00	0.06	174.07
22	0.00	0.00	0.00	0.00	0.06	174.01
23	0.00	0.00	0.00	0.00	0.06	173.95
24	0.00	0.00	0.00	0.00	0.06	173.89
25	0.00	0.00	0.00	0.00	0.05	173.84
26	0.00	0.00	0.00	0.00	0.03	173.81
27	0.00	0.00	0.00	0.00	0.01	173.80
28	0.00	0.00	0.00	0.00	0.01	173.79
29	0.00	0.00	0.00	0.00	0.06	173.73
30	0.00	0.00	0.00	0.00	0.06	173.67
31	0.00	0.00	0.00	0.00	0.02	173.65
	0.00	0.00	0.00	0.00	1.55	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.55
1	0.00	0.00	0.00	0.00	0.01	32.54
2	0.00	0.00	0.00	0.00	0.01	32.53
3	0.00	0.00	0.00	0.00	0.01	32.52
4	0.00	0.00	0.00	0.00	0.00	32.52
5	0.00	0.00	0.00	0.00	0.01	32.51
6	0.00	0.00	0.00	0.00	0.01	32.50
7	0.00	0.00	0.00	0.00	0.01	32.49
8	0.00	0.00	0.00	0.00	0.01	32.48
9	0.00	0.00	0.00	0.00	0.01	32.47
10	0.00	0.00	0.00	0.00	0.01	32.46
11	0.00	0.00	0.00	0.00	0.01	32.45
12	0.00	0.00	0.00	0.00	0.01	32.44
13	0.00	0.00	0.00	0.00	0.01	32.43
14	0.00	0.00	0.00	0.00	0.01	32.42
15	0.00	0.00	0.00	0.00	0.01	32.41
16	0.00	0.00	0.00	0.00	0.01	32.40
17	0.00	0.00	0.00	0.00	0.01	32.39
18	0.00	0.00	0.00	0.00	0.01	32.38
19	0.00	0.00	0.00	0.00	0.01	32.37
20	0.00	0.00	0.00	0.00	0.01	32.36
21	0.00	0.00	0.00	0.00	0.01	32.35
22	0.00	0.00	0.00	0.00	0.01	32.34
23	0.00	0.00	0.00	0.00	0.01	32.33
24	0.00	0.00	0.00	0.00	0.01	32.32
25	0.00	0.00	0.00	0.00	0.01	32.31
26	0.00	0.00	0.00	0.00	0.01	32.30
27	0.00	0.00	0.00	0.00	0.00	32.30
28	0.00	0.00	0.00	0.00	0.00	32.30
29	0.00	0.00	0.00	0.00	0.01	32.29
30	0.00	0.00	0.00	0.00	0.01	32.28
31	0.00	0.00	0.00	0.00	0.00	32.28
	0.00	0.00	0.00	0.00	0.27	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2176.94
1	0.00	0.00	0.00	0.00	0.79	2176.15
2	0.00	0.00	0.00	0.00	0.78	2175.37
3	0.00	0.00	0.00	0.00	0.51	2174.86
4	0.00	0.00	0.00	0.00	0.12	2174.74
5	0.00	0.00	10.69	0.00	0.59	2163.46
6	0.00	0.00	0.00	0.00	0.76	2162.70
7	0.00	0.00	0.00	0.00	0.46	2162.24
8	0.00	0.00	0.00	0.00	0.54	2161.70
9	0.00	0.00	0.00	0.00	0.65	2161.05
10	0.00	0.00	0.00	0.00	0.74	2160.31
11	0.00	0.00	0.00	0.00	0.73	2159.58
12	0.00	0.00	0.00	0.00	0.70	2158.88
13	0.00	0.00	0.00	0.00	0.75	2158.13
14	0.00	0.00	0.00	0.00	0.74	2157.39
15	0.00	0.00	0.00	0.00	0.73	2156.66
16	0.00	0.00	0.00	0.00	0.73	2155.93
17	0.00	0.00	0.00	0.00	0.73	2155.20
18	0.00	0.00	0.00	0.00	0.74	2154.46
19	0.00	0.00	0.00	0.00	0.74	2153.72
20	0.00	0.00	0.00	0.00	0.73	2152.99
21	0.00	0.00	0.00	0.00	0.70	2152.29
22	0.00	0.00	0.00	0.00	0.75	2151.54
23	0.00	0.00	0.00	0.00	0.75	2150.79
24	0.00	0.00	0.00	0.00	0.69	2150.10
25	0.00	0.00	0.00	0.00	0.67	2149.43
26	0.00	0.00	0.00	0.00	0.41	2149.02
27	0.00	0.00	0.00	0.00	0.11	2148.91
28	0.00	0.00	0.00	0.00	0.11	2148.80
29	0.00	0.00	1001.28	0.00	0.73	1146.79
30	0.00	0.00	0.00	0.00	0.39	1146.40
31	0.00	0.00	0.00	0.00	0.13	1146.27
	0.00	0.00	1011.97	0.00	18.70	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.80
1	0.00	0.00	0.00	0.00	0.01	30.79
2	0.00	0.00	0.00	0.00	0.01	30.78
3	0.00	0.00	0.00	0.00	0.01	30.77
4	0.00	0.00	0.00	0.00	0.00	30.77
5	0.00	0.00	0.00	0.00	0.01	30.76
6	0.00	0.00	0.00	0.00	0.01	30.75
7	0.00	0.00	0.00	0.00	0.01	30.74
8	0.00	0.00	0.00	0.00	0.01	30.73
9	0.00	0.00	0.00	0.00	0.01	30.72
10	0.00	0.00	0.00	0.00	0.01	30.71
11	0.00	0.00	0.00	0.00	0.01	30.70
12	0.00	0.00	0.00	0.00	0.01	30.69
13	0.00	0.00	0.00	0.00	0.01	30.68
14	0.00	0.00	0.00	0.00	0.01	30.67
15	0.00	0.00	0.00	0.00	0.01	30.66
16	0.00	0.00	0.00	0.00	0.01	30.65
17	0.00	0.00	0.00	0.00	0.01	30.64
18	0.00	0.00	0.00	0.00	0.01	30.63
19	0.00	0.00	0.00	0.00	0.01	30.62
20	0.00	0.00	0.00	0.00	0.01	30.61
21	0.00	0.00	0.00	0.00	0.01	30.60
22	0.00	0.00	0.00	0.00	0.01	30.59
23	0.00	0.00	0.00	0.00	0.01	30.58
24	0.00	0.00	0.00	0.00	0.01	30.57
25	0.00	0.00	0.00	0.00	0.01	30.56
26	0.00	0.00	0.00	0.00	0.01	30.55
27	0.00	0.00	0.00	0.00	0.00	30.55
28	0.00	0.00	0.00	0.00	0.00	30.55
29	0.00	0.00	0.00	0.00	0.01	30.54
30	0.00	0.00	0.00	0.00	0.01	30.53
31	0.00	0.00	0.00	0.00	0.00	30.53
	0.00	0.00	0.00	0.00	0.27	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						332.86
1	0.00	0.00	0.00	0.00	0.12	332.74
2	0.00	0.00	0.00	0.00	0.12	332.62
3	0.00	0.00	0.00	0.00	0.08	332.54
4	0.00	0.00	0.00	0.00	0.02	332.52
5	0.00	0.00	0.00	0.00	0.09	332.43
6	0.00	0.00	0.00	0.00	0.12	332.31
7	0.00	0.00	0.00	0.00	0.07	332.24
8	0.00	0.00	0.00	0.00	0.08	332.16
9	0.00	0.00	0.00	0.00	0.10	332.06
10	0.00	0.00	0.00	0.00	0.11	331.95
11	0.00	0.00	0.00	0.00	0.11	331.84
12	0.00	0.00	0.00	0.00	0.11	331.73
13	0.00	0.00	0.00	0.00	0.11	331.62
14	0.00	0.00	0.00	0.00	0.11	331.51
15	0.00	0.00	0.00	0.00	0.11	331.40
16	0.00	0.00	0.00	0.00	0.11	331.29
17	0.00	0.00	0.00	0.00	0.11	331.18
18	0.00	0.00	0.00	0.00	0.11	331.07
19	0.00	0.00	0.00	0.00	0.11	330.96
20	0.00	0.00	0.00	0.00	0.11	330.85
21	0.00	0.00	0.00	0.00	0.11	330.74
22	0.00	0.00	0.00	0.00	0.11	330.63
23	0.00	0.00	0.00	0.00	0.11	330.52
24	0.00	0.00	0.00	0.00	0.11	330.41
25	0.00	0.00	0.00	0.00	0.10	330.31
26	0.00	0.00	0.00	0.00	0.06	330.25
27	0.00	0.00	0.00	0.00	0.02	330.23
28	0.00	0.00	0.00	0.00	0.02	330.21
29	0.00	0.00	0.00	0.00	0.11	330.10
30	0.00	0.00	0.00	0.00	0.11	329.99
31	0.00	0.00	0.00	0.00	0.04	329.95
	0.00	0.00	0.00	0.00	2.91	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4346.09
1	0.00	0.00	0.00	0.00	0.35	4345.74
2	0.00	0.00	0.00	0.00	0.72	4345.02
3	0.00	0.00	0.00	0.00	0.72	4344.30
4	0.00	0.00	0.00	0.00	0.95	4343.35
5	0.00	0.00	0.00	0.00	1.19	4342.16
6	0.00	0.00	0.00	0.00	0.95	4341.21
7	0.00	0.00	0.00	0.00	0.57	4340.64
8	0.00	0.00	0.00	0.00	0.70	4339.94
9	0.00	0.00	0.00	0.00	1.06	4338.88
10	0.00	0.00	0.00	0.00	1.06	4337.82
11	0.00	0.00	9.79	0.00	1.05	4326.98
12	0.00	0.00	0.00	0.00	0.00	4326.98
13	0.00	0.00	0.00	0.00	0.00	4326.98
14	0.00	0.00	0.00	0.00	0.00	4326.98
15	0.00	0.00	0.00	0.00	0.00	4326.98
16	0.00	0.00	0.00	0.00	0.00	4326.98
17	0.00	0.00	0.00	0.00	0.00	4326.98
18	0.00	0.00	0.00	0.00	0.00	4326.98
19	0.00	0.00	0.00	0.00	0.00	4326.98
20	0.00	0.00	0.00	0.00	0.00	4326.98
21	0.00	0.00	0.00	0.00	0.11	4326.87
22	0.00	0.00	0.00	0.00	0.23	4326.64
23	0.00	0.00	0.00	0.00	0.23	4326.41
24	0.00	0.00	0.00	0.00	0.11	4326.30
25	0.00	0.00	0.00	0.00	0.11	4326.19
26	0.00	0.00	0.00	0.00	0.16	4326.03
27	0.00	0.00	0.00	0.00	0.16	4325.87
28	0.00	0.00	0.00	0.00	0.26	4325.61
	0.00	0.00	9.79	0.00	10.69	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1476.22
1	0.00	0.00	0.00	0.00	0.12	1476.10
2	0.00	0.00	0.00	0.00	0.24	1475.86
3	0.00	0.00	0.00	0.00	0.24	1475.62
4	0.00	0.00	0.00	0.00	0.32	1475.30
5	0.00	0.00	0.00	0.00	0.40	1474.90
6	0.00	0.00	0.00	0.00	0.32	1474.58
7	0.00	0.00	0.00	0.00	0.19	1474.39
8	0.00	0.00	0.00	0.00	0.24	1474.15
9	0.00	0.00	0.00	0.00	0.36	1473.79
10	0.00	0.00	0.00	0.00	0.36	1473.43
11	0.00	0.00	9.79	0.00	0.36	1463.28
12	0.00	0.00	0.00	0.00	0.00	1463.28
13	0.00	0.00	0.00	0.00	0.00	1463.28
14	0.00	0.00	0.00	0.00	0.00	1463.28
15	0.00	0.00	0.00	0.00	0.00	1463.28
16	0.00	0.00	0.00	0.00	0.00	1463.28
17	0.00	0.00	0.00	0.00	0.00	1463.28
18	0.00	0.00	0.00	0.00	0.00	1463.28
19	0.00	0.00	0.00	0.00	0.00	1463.28
20	0.00	0.00	0.00	0.00	0.00	1463.28
21	0.00	0.00	0.00	0.00	0.04	1463.24
22	0.00	0.00	0.00	0.00	0.08	1463.16
23	0.00	0.00	0.00	0.00	0.08	1463.08
24	0.00	0.00	0.00	0.00	0.04	1463.04
25	0.00	0.00	0.00	0.00	0.04	1463.00
26	0.00	0.00	0.00	0.00	0.05	1462.95
27	0.00	0.00	0.00	0.00	0.05	1462.90
28	0.00	0.00	0.00	0.00	0.09	1462.81
	0.00	0.00	9.79	0.00	3.62	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4313.81
1	0.00	0.00	0.00	0.00	0.35	4313.46
2	0.00	0.00	0.00	0.00	0.71	4312.75
3	0.00	0.00	0.00	0.00	0.71	4312.04
4	0.00	0.00	0.00	0.00	0.94	4311.10
5	0.00	0.00	0.00	0.00	1.18	4309.92
6	0.00	0.00	0.00	0.00	0.94	4308.98
7	0.00	0.00	0.00	0.00	0.57	4308.41
8	0.00	0.00	0.00	0.00	0.70	4307.71
9	0.00	0.00	0.00	0.00	1.05	4306.66
10	0.00	0.00	0.00	0.00	1.05	4305.61
11	0.00	0.00	9.79	0.00	1.04	4294.78
12	0.00	0.00	0.00	0.00	0.00	4294.78
13	0.00	0.00	0.00	0.00	0.00	4294.78
14	0.00	0.00	0.00	0.00	0.00	4294.78
15	0.00	0.00	0.00	0.00	0.00	4294.78
16	0.00	0.00	0.00	0.00	0.00	4294.78
17	0.00	0.00	0.00	0.00	0.00	4294.78
18	0.00	0.00	0.00	0.00	0.00	4294.78
19	0.00	0.00	0.00	0.00	0.00	4294.78
20	0.00	0.00	0.00	0.00	0.00	4294.78
21	0.00	0.00	0.00	0.00	0.11	4294.67
22	0.00	0.00	0.00	0.00	0.23	4294.44
23	0.00	0.00	0.00	0.00	0.23	4294.21
24	0.00	0.00	0.00	0.00	0.11	4294.10
25	0.00	0.00	0.00	0.00	0.11	4293.99
26	0.00	0.00	0.00	0.00	0.16	4293.83
27	0.00	0.00	0.00	0.00	0.16	4293.67
28	0.00	0.00	0.00	0.00	0.26	4293.41
	0.00	0.00	9.79	0.00	10.61	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2671.60
1	0.00	0.00	0.00	0.00	0.22	2671.38
2	0.00	0.00	0.00	0.00	0.44	2670.94
3	0.00	0.00	0.00	0.00	0.44	2670.50
4	0.00	0.00	0.00	0.00	0.58	2669.92
5	0.00	0.00	0.00	0.00	0.73	2669.19
6	0.00	0.00	0.00	0.00	0.58	2668.61
7	0.00	0.00	0.00	0.00	0.36	2668.25
8	0.00	0.00	0.00	0.00	0.43	2667.82
9	0.00	0.00	0.00	0.00	0.65	2667.17
10	0.00	0.00	0.00	0.00	0.65	2666.52
11	0.00	0.00	0.00	0.00	0.64	2665.88
12	0.00	0.00	0.00	0.00	0.00	2665.88
13	0.00	0.00	0.00	0.00	0.00	2665.88
14	0.00	0.00	0.00	0.00	0.00	2665.88
15	0.00	0.00	0.00	0.00	0.00	2665.88
16	0.00	0.00	0.00	0.00	0.00	2665.88
17	0.00	0.00	0.00	0.00	0.00	2665.88
18	0.00	0.00	0.00	0.00	0.00	2665.88
19	0.00	0.00	0.00	0.00	0.00	2665.88
20	0.00	0.00	0.00	0.00	0.00	2665.88
21	0.00	0.00	0.00	0.00	0.07	2665.81
22	0.00	0.00	0.00	0.00	0.14	2665.67
23	0.00	0.00	0.00	0.00	0.14	2665.53
24	0.00	0.00	0.00	0.00	0.07	2665.46
25	0.00	0.00	0.00	0.00	0.07	2665.39
26	0.00	0.00	0.00	0.00	0.10	2665.29
27	0.00	0.00	0.00	0.00	0.10	2665.19
28	0.00	0.00	0.00	0.00	0.16	2665.03
	0.00	0.00	0.00	0.00	6.57	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.65
1	0.00	0.00	0.00	0.00	0.01	173.64
2	0.00	0.00	0.00	0.00	0.03	173.61
3	0.00	0.00	0.00	0.00	0.03	173.58
4	0.00	0.00	0.00	0.00	0.04	173.54
5	0.00	0.00	0.00	0.00	0.05	173.49
6	0.00	0.00	0.00	0.00	0.04	173.45
7	0.00	0.00	0.00	0.00	0.02	173.43
8	0.00	0.00	0.00	0.00	0.03	173.40
9	0.00	0.00	0.00	0.00	0.04	173.36
10	0.00	0.00	0.00	0.00	0.04	173.32
11	0.00	0.00	0.00	0.00	0.04	173.28
12	0.00	0.00	0.00	0.00	0.00	173.28
13	0.00	0.00	0.00	0.00	0.00	173.28
14	0.00	0.00	0.00	0.00	0.00	173.28
15	0.00	0.00	0.00	0.00	0.00	173.28
16	0.00	0.00	0.00	0.00	0.00	173.28
17	0.00	0.00	0.00	0.00	0.00	173.28
18	0.00	0.00	0.00	0.00	0.00	173.28
19	0.00	0.00	0.00	0.00	0.00	173.28
20	0.00	0.00	0.00	0.00	0.00	173.28
21	0.00	0.00	0.00	0.00	0.00	173.28
22	0.00	0.00	0.00	0.00	0.01	173.27
23	0.00	0.00	0.00	0.00	0.01	173.26
24	0.00	0.00	0.00	0.00	0.00	173.26
25	0.00	0.00	0.00	0.00	0.00	173.26
26	0.00	0.00	0.00	0.00	0.01	173.25
27	0.00	0.00	0.00	0.00	0.01	173.24
28	0.00	0.00	0.00	0.00	0.01	173.23
	0.00	0.00	0.00	0.00	0.42	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.28
1	0.00	0.00	0.00	0.00	0.00	32.28
2	0.00	0.00	0.00	0.00	0.01	32.27
3	0.00	0.00	0.00	0.00	0.01	32.26
4	0.00	0.00	0.00	0.00	0.01	32.25
5	0.00	0.00	0.00	0.00	0.01	32.24
6	0.00	0.00	0.00	0.00	0.01	32.23
7	0.00	0.00	0.00	0.00	0.00	32.23
8	0.00	0.00	0.00	0.00	0.00	32.23
9	0.00	0.00	0.00	0.00	0.01	32.22
10	0.00	0.00	0.00	0.00	0.01	32.21
11	0.00	0.00	0.00	0.00	0.01	32.20
12	0.00	0.00	0.00	0.00	0.00	32.20
13	0.00	0.00	0.00	0.00	0.00	32.20
14	0.00	0.00	0.00	0.00	0.00	32.20
15	0.00	0.00	0.00	0.00	0.00	32.20
16	0.00	0.00	0.00	0.00	0.00	32.20
17	0.00	0.00	0.00	0.00	0.00	32.20
18	0.00	0.00	0.00	0.00	0.00	32.20
19	0.00	0.00	0.00	0.00	0.00	32.20
20	0.00	0.00	0.00	0.00	0.00	32.20
21	0.00	0.00	0.00	0.00	0.00	32.20
22	0.00	0.00	0.00	0.00	0.00	32.20
23	0.00	0.00	0.00	0.00	0.00	32.20
24	0.00	0.00	0.00	0.00	0.00	32.20
25	0.00	0.00	0.00	0.00	0.00	32.20
26	0.00	0.00	0.00	0.00	0.00	32.20
27	0.00	0.00	0.00	0.00	0.00	32.20
28	0.00	0.00	0.00	0.00	0.00	32.20
	0.00	0.00	0.00	0.00	0.08	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1146.27
1	0.00	0.00	0.00	0.00	0.09	1146.18
2	0.00	0.00	0.00	0.00	0.19	1145.99
3	0.00	0.00	0.00	0.00	0.19	1145.80
4	0.00	0.00	0.00	0.00	0.25	1145.55
5	0.00	0.00	0.00	0.00	0.31	1145.24
6	0.00	0.00	0.00	0.00	0.25	1144.99
7	0.00	0.00	0.00	0.00	0.15	1144.84
8	0.00	0.00	0.00	0.00	0.19	1144.65
9	0.00	0.00	0.00	0.00	0.28	1144.37
10	0.00	0.00	0.00	0.00	0.28	1144.09
11	0.00	0.00	9.79	0.00	0.28	1134.02
12	0.00	0.00	0.00	0.00	0.00	1134.02
13	0.00	0.00	0.00	0.00	0.00	1134.02
14	0.00	0.00	0.00	0.00	0.00	1134.02
15	0.00	0.00	0.00	0.00	0.00	1134.02
16	0.00	0.00	0.00	0.00	0.00	1134.02
17	0.00	0.00	0.00	0.00	0.00	1134.02
18	0.00	0.00	0.00	0.00	0.00	1134.02
19	0.00	0.00	0.00	0.00	0.00	1134.02
20	0.00	0.00	0.00	0.00	0.00	1134.02
21	0.00	0.00	0.00	0.00	0.03	1133.99
22	0.00	0.00	0.00	0.00	0.06	1133.93
23	0.00	0.00	0.00	0.00	0.06	1133.87
24	0.00	0.00	0.00	0.00	0.03	1133.84
25	0.00	0.00	0.00	0.00	0.03	1133.81
26	0.00	0.00	0.00	0.00	0.04	1133.77
27	0.00	0.00	0.00	0.00	0.04	1133.73
28	0.00	0.00	0.00	0.00	0.07	1133.66
	0.00	0.00	9.79	0.00	2.82	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.53
1	0.00	0.00	0.00	0.00	0.00	30.53
2	0.00	0.00	0.00	0.00	0.01	30.52
3	0.00	0.00	0.00	0.00	0.01	30.51
4	0.00	0.00	0.00	0.00	0.01	30.50
5	0.00	0.00	0.00	0.00	0.01	30.49
6	0.00	0.00	0.00	0.00	0.01	30.48
7	0.00	0.00	0.00	0.00	0.00	30.48
8	0.00	0.00	0.00	0.00	0.00	30.48
9	0.00	0.00	0.00	0.00	0.01	30.47
10	0.00	0.00	0.00	0.00	0.01	30.46
11	0.00	0.00	0.00	0.00	0.01	30.45
12	0.00	0.00	0.00	0.00	0.00	30.45
13	0.00	0.00	0.00	0.00	0.00	30.45
14	0.00	0.00	0.00	0.00	0.00	30.45
15	0.00	0.00	0.00	0.00	0.00	30.45
16	0.00	0.00	0.00	0.00	0.00	30.45
17	0.00	0.00	0.00	0.00	0.00	30.45
18	0.00	0.00	0.00	0.00	0.00	30.45
19	0.00	0.00	0.00	0.00	0.00	30.45
20	0.00	0.00	0.00	0.00	0.00	30.45
21	0.00	0.00	0.00	0.00	0.00	30.45
22	0.00	0.00	0.00	0.00	0.00	30.45
23	0.00	0.00	0.00	0.00	0.00	30.45
24	0.00	0.00	0.00	0.00	0.00	30.45
25	0.00	0.00	0.00	0.00	0.00	30.45
26	0.00	0.00	0.00	0.00	0.00	30.45
27	0.00	0.00	0.00	0.00	0.00	30.45
28	0.00	0.00	0.00	0.00	0.00	30.45
	0.00	0.00	0.00	0.00	0.08	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						329.95
1	0.00	0.00	0.00	0.00	0.03	329.92
2	0.00	0.00	0.00	0.00	0.05	329.87
3	0.00	0.00	0.00	0.00	0.05	329.82
4	0.00	0.00	0.00	0.00	0.07	329.75
5	0.00	0.00	0.00	0.00	0.09	329.66
6	0.00	0.00	0.00	0.00	0.07	329.59
7	0.00	0.00	0.00	0.00	0.04	329.55
8	0.00	0.00	0.00	0.00	0.05	329.50
9	0.00	0.00	0.00	0.00	0.08	329.42
10	0.00	0.00	0.00	0.00	0.08	329.34
11	0.00	0.00	0.00	0.00	0.08	329.26
12	0.00	0.00	0.00	0.00	0.00	329.26
13	0.00	0.00	0.00	0.00	0.00	329.26
14	0.00	0.00	0.00	0.00	0.00	329.26
15	0.00	0.00	0.00	0.00	0.00	329.26
16	0.00	0.00	0.00	0.00	0.00	329.26
17	0.00	0.00	0.00	0.00	0.00	329.26
18	0.00	0.00	0.00	0.00	0.00	329.26
19	0.00	0.00	0.00	0.00	0.00	329.26
20	0.00	0.00	0.00	0.00	0.00	329.26
21	0.00	0.00	0.00	0.00	0.01	329.25
22	0.00	0.00	0.00	0.00	0.02	329.23
23	0.00	0.00	0.00	0.00	0.02	329.21
24	0.00	0.00	0.00	0.00	0.01	329.20
25	0.00	0.00	0.00	0.00	0.01	329.19
26	0.00	0.00	0.00	0.00	0.01	329.18
27	0.00	0.00	0.00	0.00	0.01	329.17
28	0.00	0.00	0.00	0.00	0.02	329.15
	0.00	0.00	0.00	0.00	0.80	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4325.61
1	0.00	0.00	0.00	0.00	0.26	4325.35
2	0.00	0.00	0.00	0.00	0.35	4325.00
3	0.00	0.00	0.00	0.00	0.35	4324.65
4	0.00	0.00	0.00	0.00	1.07	4323.58
5	0.00	0.00	0.00	0.00	3.52	4320.06
6	0.00	0.00	0.00	0.00	3.51	4316.55
7	0.00	0.00	18.07	0.00	3.50	4294.98
8	0.00	0.00	500.00	0.00	3.48	3791.50
9	0.00	0.00	0.00	0.00	3.05	3788.45
10	0.00	0.00	0.00	0.00	3.04	3785.41
11	0.00	0.00	0.00	0.00	3.03	3782.38
12	0.00	0.00	0.00	0.00	3.03	3779.35
13	0.00	0.00	0.00	0.00	3.03	3776.32
14	0.00	0.00	0.00	0.00	3.00	3773.32
15	0.00	0.00	0.00	0.00	2.99	3770.33
16	0.00	0.00	0.00	0.00	2.98	3767.35
17	0.00	0.00	0.00	0.00	2.96	3764.39
18	0.00	0.00	0.00	0.00	2.96	3761.43
19	0.00	0.00	0.00	0.00	2.96	3758.47
20	1.74	0.00	0.00	0.00	2.96	3757.25
21	7.46	0.00	0.00	0.00	2.95	3761.76
22	2.42	0.00	0.00	0.00	2.95	3761.23
23	6.22	0.00	0.00	0.00	2.94	3764.51
24	11.85	0.00	0.00	0.00	2.94	3773.42
25	4.31	0.00	0.00	0.00	2.95	3774.78
26	0.00	0.00	0.00	0.00	2.95	3771.83
27	0.00	0.00	0.00	0.00	2.95	3768.88
28	1.63	0.00	0.00	0.00	2.94	3767.57
29	1.13	0.00	0.00	0.00	2.94	3765.76
30	0.00	0.00	0.00	0.00	2.94	3762.82
31	0.00	544.26	0.00	0.00	3.78	4303.30
	36.76	544.26	518.07	0.00	85.26	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1462.81
1	0.00	0.00	0.00	0.00	0.09	1462.72
2	0.00	0.00	0.00	0.00	0.12	1462.60
3	0.00	0.00	0.00	0.00	0.12	1462.48
4	0.00	0.00	0.00	0.00	0.36	1462.12
5	0.00	0.00	0.00	0.00	1.19	1460.93
6	0.00	0.00	0.00	0.00	1.19	1459.74
7	0.00	0.00	18.07	0.00	1.19	1440.48
8	0.00	0.00	500.00	0.00	1.17	939.31
9	0.00	0.00	0.00	0.00	0.75	938.56
10	0.00	0.00	0.00	0.00	0.75	937.81
11	0.00	0.00	0.00	0.00	0.75	937.06
12	0.00	0.00	0.00	0.00	0.75	936.31
13	0.00	0.00	0.00	0.00	0.75	935.56
14	0.00	0.00	0.00	0.00	0.74	934.82
15	0.00	0.00	0.00	0.00	0.74	934.08
16	0.00	0.00	0.00	0.00	0.74	933.34
17	0.00	0.00	0.00	0.00	0.74	932.60
18	0.00	0.00	0.00	0.00	0.74	931.86
19	0.00	0.00	0.00	0.00	0.74	931.12
20	0.00	0.00	0.00	0.00	0.74	930.38
21	0.00	0.00	0.00	0.00	0.73	929.65
22	0.00	0.00	0.00	0.00	0.73	928.92
23	0.00	0.00	0.00	0.00	0.72	928.20
24	0.00	0.00	0.00	0.00	0.72	927.48
25	0.00	0.00	0.00	0.00	0.72	926.76
26	0.00	0.00	0.00	0.00	0.72	926.04
27	0.00	0.00	0.00	0.00	0.72	925.32
28	0.00	0.00	0.00	0.00	0.72	924.60
29	0.00	0.00	0.00	0.00	0.72	923.88
30	0.00	0.00	0.00	0.00	0.72	923.16
31	0.00	0.00	0.00	0.00	0.92	922.24
	0.00	0.00	518.07	0.00	22.50	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4293.41
1	0.00	0.00	0.00	0.00	0.26	4293.15
2	0.00	0.00	0.00	0.00	0.35	4292.80
3	0.00	0.00	0.00	0.00	0.35	4292.45
4	0.00	0.00	0.00	0.00	1.06	4291.39
5	0.00	0.00	0.00	0.00	3.50	4287.89
6	0.00	0.00	0.00	0.00	3.49	4284.40
7	0.00	0.00	18.07	0.00	3.48	4262.85
8	0.00	0.00	500.00	0.00	3.46	3759.39
9	0.00	0.00	0.00	0.00	3.03	3756.36
10	0.00	0.00	0.00	0.00	3.02	3753.34
11	0.00	0.00	0.00	0.00	3.01	3750.33
12	0.00	0.00	0.00	0.00	3.01	3747.32
13	0.00	0.00	0.00	0.00	3.01	3744.31
14	0.00	0.00	0.00	0.00	2.98	3741.33
15	0.00	0.00	0.00	0.00	2.97	3738.36
16	0.00	0.00	0.00	0.00	2.96	3735.40
17	0.00	0.00	0.00	0.00	2.94	3732.46
18	0.00	0.00	0.00	0.00	2.94	3729.52
19	0.00	0.00	0.00	0.00	2.94	3726.58
20	1.74	0.00	0.00	0.00	2.94	3725.38
21	7.46	0.00	0.00	0.00	2.93	3729.91
22	2.42	0.00	0.00	0.00	2.93	3729.40
23	6.22	0.00	0.00	0.00	2.92	3732.70
24	11.85	0.00	0.00	0.00	2.92	3741.63
25	4.31	0.00	0.00	0.00	2.93	3743.01
26	0.00	0.00	0.00	0.00	2.93	3740.08
27	0.00	0.00	0.00	0.00	2.93	3737.15
28	1.63	0.00	0.00	0.00	2.92	3735.86
29	1.13	0.00	0.00	0.00	2.92	3734.07
30	0.00	0.00	0.00	0.00	2.92	3731.15
31	0.00	472.92	0.00	0.00	3.75	4200.32
	36.76	472.92	518.07	0.00	84.70	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2665.03
1	0.00	0.00	0.00	0.00	0.16	2664.87
2	0.00	0.00	0.00	0.00	0.22	2664.65
3	0.00	0.00	0.00	0.00	0.22	2664.43
4	0.00	0.00	0.00	0.00	0.66	2663.77
5	0.00	0.00	0.00	0.00	2.17	2661.60
6	0.00	0.00	0.00	0.00	2.16	2659.44
7	0.00	0.00	0.00	0.00	2.15	2657.29
8	0.00	0.00	0.00	0.00	2.15	2655.14
9	0.00	0.00	0.00	0.00	2.14	2653.00
10	0.00	0.00	0.00	0.00	2.13	2650.87
11	0.00	0.00	0.00	0.00	2.12	2648.75
12	0.00	0.00	0.00	0.00	2.12	2646.63
13	0.00	0.00	0.00	0.00	2.12	2644.51
14	0.00	0.00	0.00	0.00	2.10	2642.41
15	0.00	0.00	0.00	0.00	2.09	2640.32
16	0.00	0.00	0.00	0.00	2.08	2638.24
17	0.00	0.00	0.00	0.00	2.07	2636.17
18	0.00	0.00	0.00	0.00	2.07	2634.10
19	0.00	0.00	0.00	0.00	2.07	2632.03
20	1.74	0.00	0.00	0.00	2.07	2631.70
21	7.46	0.00	0.00	0.00	2.07	2637.09
22	2.42	0.00	0.00	0.00	2.07	2637.44
23	6.22	0.00	0.00	0.00	2.07	2641.59
24	11.85	0.00	0.00	0.00	2.07	2651.37
25	4.31	0.00	0.00	0.00	2.08	2653.60
26	0.00	0.00	0.00	0.00	2.08	2651.52
27	0.00	0.00	0.00	0.00	2.08	2649.44
28	1.63	0.00	0.00	0.00	2.07	2649.00
29	1.13	0.00	0.00	0.00	2.07	2648.06
30	0.00	0.00	0.00	0.00	2.07	2645.99
31	0.00	0.00	0.00	0.00	2.66	2643.33
	36.76	0.00	0.00	0.00	58.46	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.23
1	0.00	0.00	0.00	0.00	0.01	173.22
2	0.00	0.00	0.00	0.00	0.01	173.21
3	0.00	0.00	0.00	0.00	0.01	173.20
4	0.00	0.00	0.00	0.00	0.04	173.16
5	0.00	0.00	0.00	0.00	0.14	173.02
6	0.00	0.00	0.00	0.00	0.14	172.88
7	0.00	0.00	0.00	0.00	0.14	172.74
8	0.00	0.00	0.00	0.00	0.14	172.60
9	0.00	0.00	0.00	0.00	0.14	172.46
10	0.00	0.00	0.00	0.00	0.14	172.32
11	0.00	0.00	0.00	0.00	0.14	172.18
12	0.00	0.00	0.00	0.00	0.14	172.04
13	0.00	0.00	0.00	0.00	0.14	171.90
14	0.00	0.00	0.00	0.00	0.14	171.76
15	0.00	0.00	0.00	0.00	0.14	171.62
16	0.00	0.00	0.00	0.00	0.14	171.48
17	0.00	0.00	0.00	0.00	0.13	171.35
18	0.00	0.00	0.00	0.00	0.13	171.22
19	0.00	0.00	0.00	0.00	0.13	171.09
20	0.00	0.00	0.00	0.00	0.13	170.96
21	0.00	0.00	0.00	0.00	0.13	170.83
22	0.00	0.00	0.00	0.00	0.13	170.70
23	0.00	0.00	0.00	0.00	0.13	170.57
24	0.00	0.00	0.00	0.00	0.13	170.44
25	0.00	0.00	0.00	0.00	0.13	170.31
26	0.00	0.00	0.00	0.00	0.13	170.18
27	0.00	0.00	0.00	0.00	0.13	170.05
28	0.00	0.00	0.00	0.00	0.13	169.92
29	0.00	0.00	0.00	0.00	0.13	169.79
30	0.00	0.00	0.00	0.00	0.13	169.66
31	0.00	472.92	0.00	0.00	0.17	642.41
	0.00	472.92	0.00	0.00	3.74	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.20
1	0.00	0.00	0.00	0.00	0.00	32.20
2	0.00	0.00	0.00	0.00	0.00	32.20
3	0.00	0.00	0.00	0.00	0.00	32.20
4	0.00	0.00	0.00	0.00	0.01	32.19
5	0.00	0.00	0.00	0.00	0.02	32.17
6	0.00	0.00	0.00	0.00	0.02	32.15
7	0.00	0.00	0.00	0.00	0.02	32.13
8	0.00	0.00	0.00	0.00	0.02	32.11
9	0.00	0.00	0.00	0.00	0.02	32.09
10	0.00	0.00	0.00	0.00	0.02	32.07
11	0.00	0.00	0.00	0.00	0.02	32.05
12	0.00	0.00	0.00	0.00	0.02	32.03
13	0.00	0.00	0.00	0.00	0.02	32.01
14	0.00	0.00	0.00	0.00	0.02	31.99
15	0.00	0.00	0.00	0.00	0.02	31.97
16	0.00	0.00	0.00	0.00	0.02	31.95
17	0.00	0.00	0.00	0.00	0.02	31.93
18	0.00	0.00	0.00	0.00	0.02	31.91
19	0.00	0.00	0.00	0.00	0.02	31.89
20	0.00	0.00	0.00	0.00	0.02	31.87
21	0.00	0.00	0.00	0.00	0.02	31.85
22	0.00	0.00	0.00	0.00	0.02	31.83
23	0.00	0.00	0.00	0.00	0.02	31.81
24	0.00	0.00	0.00	0.00	0.02	31.79
25	0.00	0.00	0.00	0.00	0.02	31.77
26	0.00	0.00	0.00	0.00	0.02	31.75
27	0.00	0.00	0.00	0.00	0.02	31.73
28	0.00	0.00	0.00	0.00	0.02	31.71
29	0.00	0.00	0.00	0.00	0.02	31.69
30	0.00	0.00	0.00	0.00	0.02	31.67
31	0.00	71.34	0.00	0.00	0.03	102.98
	0.00	71.34	0.00	0.00	0.56	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	3.67	0.00	0.00	0.00	5.42
	0.00	3.67	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1133.66
1	0.00	0.00	0.00	0.00	0.07	1133.59
2	0.00	0.00	0.00	0.00	0.09	1133.50
3	0.00	0.00	0.00	0.00	0.09	1133.41
4	0.00	0.00	0.00	0.00	0.28	1133.13
5	0.00	0.00	0.00	0.00	0.92	1132.21
6	0.00	0.00	0.00	0.00	0.92	1131.29
7	0.00	0.00	18.07	0.00	0.92	1112.30
8	0.00	0.00	500.00	0.00	0.90	611.40
9	0.00	0.00	0.00	0.00	0.49	610.91
10	0.00	0.00	0.00	0.00	0.49	610.42
11	0.00	0.00	0.00	0.00	0.49	609.93
12	0.00	0.00	0.00	0.00	0.49	609.44
13	0.00	0.00	0.00	0.00	0.49	608.95
14	0.00	0.00	0.00	0.00	0.48	608.47
15	0.00	0.00	0.00	0.00	0.48	607.99
16	0.00	0.00	0.00	0.00	0.48	607.51
17	0.00	0.00	0.00	0.00	0.48	607.03
18	0.00	0.00	0.00	0.00	0.48	606.55
19	0.00	0.00	0.00	0.00	0.48	606.07
20	0.00	0.00	0.00	0.00	0.48	605.59
21	0.00	0.00	0.00	0.00	0.48	605.11
22	0.00	0.00	0.00	0.00	0.48	604.63
23	0.00	0.00	0.00	0.00	0.47	604.16
24	0.00	0.00	0.00	0.00	0.47	603.69
25	0.00	0.00	0.00	0.00	0.47	603.22
26	0.00	0.00	0.00	0.00	0.47	602.75
27	0.00	0.00	0.00	0.00	0.47	602.28
28	0.00	0.00	0.00	0.00	0.47	601.81
29	0.00	0.00	0.00	0.00	0.47	601.34
30	0.00	0.00	0.00	0.00	0.47	600.87
31	0.00	0.00	0.00	0.00	0.60	600.27
	0.00	0.00	518.07	0.00	15.32	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.45
1	0.00	0.00	0.00	0.00	0.00	30.45
2	0.00	0.00	0.00	0.00	0.00	30.45
3	0.00	0.00	0.00	0.00	0.00	30.45
4	0.00	0.00	0.00	0.00	0.01	30.44
5	0.00	0.00	0.00	0.00	0.02	30.42
6	0.00	0.00	0.00	0.00	0.02	30.40
7	0.00	0.00	0.00	0.00	0.02	30.38
8	0.00	0.00	0.00	0.00	0.02	30.36
9	0.00	0.00	0.00	0.00	0.02	30.34
10	0.00	0.00	0.00	0.00	0.02	30.32
11	0.00	0.00	0.00	0.00	0.02	30.30
12	0.00	0.00	0.00	0.00	0.02	30.28
13	0.00	0.00	0.00	0.00	0.02	30.26
14	0.00	0.00	0.00	0.00	0.02	30.24
15	0.00	0.00	0.00	0.00	0.02	30.22
16	0.00	0.00	0.00	0.00	0.02	30.20
17	0.00	0.00	0.00	0.00	0.02	30.18
18	0.00	0.00	0.00	0.00	0.02	30.16
19	0.00	0.00	0.00	0.00	0.02	30.14
20	0.00	0.00	0.00	0.00	0.02	30.12
21	0.00	0.00	0.00	0.00	0.02	30.10
22	0.00	0.00	0.00	0.00	0.02	30.08
23	0.00	0.00	0.00	0.00	0.02	30.06
24	0.00	0.00	0.00	0.00	0.02	30.04
25	0.00	0.00	0.00	0.00	0.02	30.02
26	0.00	0.00	0.00	0.00	0.02	30.00
27	0.00	0.00	0.00	0.00	0.02	29.98
28	0.00	0.00	0.00	0.00	0.02	29.96
29	0.00	0.00	0.00	0.00	0.02	29.94
30	0.00	0.00	0.00	0.00	0.02	29.92
31	0.00	67.67	0.00	0.00	0.03	97.56
	0.00	67.67	0.00	0.00	0.56	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						329.15
1	0.00	0.00	0.00	0.00	0.02	329.13
2	0.00	0.00	0.00	0.00	0.03	329.10
3	0.00	0.00	0.00	0.00	0.03	329.07
4	0.00	0.00	0.00	0.00	0.08	328.99
5	0.00	0.00	0.00	0.00	0.27	328.72
6	0.00	0.00	0.00	0.00	0.27	328.45
7	0.00	0.00	0.00	0.00	0.27	328.18
8	0.00	0.00	0.00	0.00	0.27	327.91
9	0.00	0.00	0.00	0.00	0.26	327.65
10	0.00	0.00	0.00	0.00	0.26	327.39
11	0.00	0.00	0.00	0.00	0.26	327.13
12	0.00	0.00	0.00	0.00	0.26	326.87
13	0.00	0.00	0.00	0.00	0.26	326.61
14	0.00	0.00	0.00	0.00	0.26	326.35
15	0.00	0.00	0.00	0.00	0.26	326.09
16	0.00	0.00	0.00	0.00	0.26	325.83
17	0.00	0.00	0.00	0.00	0.26	325.57
18	0.00	0.00	0.00	0.00	0.26	325.31
19	0.00	0.00	0.00	0.00	0.26	325.05
20	0.00	0.00	0.00	0.00	0.26	324.79
21	0.00	0.00	0.00	0.00	0.25	324.54
22	0.00	0.00	0.00	0.00	0.25	324.29
23	0.00	0.00	0.00	0.00	0.25	324.04
24	0.00	0.00	0.00	0.00	0.25	323.79
25	0.00	0.00	0.00	0.00	0.25	323.54
26	0.00	0.00	0.00	0.00	0.25	323.29
27	0.00	0.00	0.00	0.00	0.25	323.04
28	0.00	0.00	0.00	0.00	0.25	322.79
29	0.00	0.00	0.00	0.00	0.25	322.54
30	0.00	0.00	0.00	0.00	0.25	322.29
31	0.00	0.00	0.00	0.00	0.32	321.97
	0.00	0.00	0.00	0.00	7.18	

Offset Account — April 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4303.30
1	0.00	0.00	0.00	0.00	4.34	4298.96
2	1.19	0.00	0.00	0.00	4.97	4295.18
3	1.27	0.00	0.00	0.00	4.66	4291.79
4	1.93	0.00	0.00	0.00	4.66	4289.06
5	2.01	0.00	0.00	0.00	4.48	4286.59
6	1.35	0.00	0.00	0.00	7.19	4280.75
7	1.22	0.00	0.00	0.00	3.83	4278.14
8	1.18	0.00	0.00	0.00	3.27	4276.05
9	3.78	0.00	0.00	0.00	5.11	4274.72
10	3.24	0.00	0.00	0.00	5.10	4272.86
11	2.33	0.00	0.00	0.00	4.93	4270.26
12	1.75	0.00	0.00	0.00	2.85	4269.16
13	1.41	0.00	0.00	0.00	4.30	4266.27
14	1.38	0.00	0.00	0.00	3.33	4264.32
15	1.28	0.00	0.00	0.00	0.48	4265.12
16	5.76	0.00	0.00	0.00	2.55	4268.33
17	8.24	0.00	0.00	0.00	2.55	4274.02
18	8.61	0.00	0.00	0.00	2.70	4279.93
19	21.22	0.00	0.00	0.00	4.32	4296.83
20	28.43	0.00	0.00	0.00	4.33	4320.93
21	32.85	0.00	0.00	0.00	3.37	4350.41
22	39.82	0.00	0.00	0.00	4.87	4385.36
23	34.36	0.00	0.00	0.00	6.05	4413.67
24	22.47	0.00	0.00	0.00	6.09	4430.05
25	14.89	0.00	0.00	0.00	5.96	4438.98
26	15.53	0.00	0.00	0.00	11.13	4443.38
27	16.40	0.00	0.00	0.00	4.33	4455.45
28	15.14	0.00	0.00	0.00	4.35	4466.24
29	16.62	0.00	0.00	0.00	6.69	4476.17
30	3.97	0.00	0.00	0.00	6.56	4473.58
	309.63	0.00	0.00	0.00	139.35	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						922.24
1	0.00	0.00	0.00	0.00	0.92	921.32
2	0.00	0.00	0.00	0.00	1.06	920.26
3	0.00	0.00	0.00	0.00	1.00	919.26
4	0.00	0.00	0.00	0.00	1.00	918.26
5	0.00	0.00	0.00	0.00	0.95	917.31
6	0.00	0.00	0.00	0.00	1.54	915.77
7	0.00	0.00	0.00	0.00	0.82	914.95
8	0.00	0.00	0.00	0.00	0.70	914.25
9	0.00	0.00	0.00	0.00	1.09	913.16
10	0.00	0.00	0.00	0.00	1.09	912.07
11	0.00	0.00	0.00	0.00	1.05	911.02
12	0.00	0.00	0.00	0.00	0.61	910.41
13	0.00	0.00	0.00	0.00	0.91	909.50
14	0.00	0.00	0.00	0.00	0.71	908.79
15	0.00	0.00	0.00	0.00	0.11	908.68
16	0.00	0.00	0.00	0.00	0.54	908.14
17	0.00	0.00	0.00	0.00	0.54	907.60
18	0.00	0.00	0.00	0.00	0.57	907.03
19	0.00	0.00	0.00	0.00	0.91	906.12
20	0.00	0.00	0.00	0.00	0.91	905.21
21	0.00	0.00	0.00	0.00	0.71	904.50
22	0.00	0.00	0.00	0.00	1.01	903.49
23	0.00	0.00	0.00	0.00	1.24	902.25
24	0.00	0.00	0.00	0.00	1.24	901.01
25	0.00	0.00	0.00	0.00	1.21	899.80
26	0.00	0.00	0.00	0.00	2.26	897.54
27	0.00	0.00	0.00	0.00	0.87	896.67
28	0.00	0.00	0.00	0.00	0.87	895.80
29	0.00	0.00	0.00	0.00	1.34	894.46
30	0.00	0.00	0.00	0.00	1.31	893.15
	0.00	0.00	0.00	0.00	29.09	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4200.32
1	0.00	0.00	0.00	0.00	4.23	4196.09
2	1.19	0.00	0.00	0.00	4.85	4192.43
3	1.27	0.00	0.00	0.00	4.54	4189.16
4	1.93	0.00	0.00	0.00	4.54	4186.55
5	2.01	0.00	0.00	0.00	4.37	4184.19
6	1.35	0.00	0.00	0.00	7.02	4178.52
7	1.22	0.00	0.00	0.00	3.74	4176.00
8	1.18	0.00	0.00	0.00	3.20	4173.98
9	3.78	0.00	0.00	0.00	4.98	4172.78
10	3.24	0.00	0.00	0.00	4.98	4171.04
11	2.33	0.00	0.00	0.00	4.81	4168.56
12	1.75	0.00	0.00	0.00	2.79	4167.52
13	1.41	0.00	0.00	0.00	4.19	4164.74
14	1.38	0.00	0.00	0.00	3.25	4162.87
15	1.28	0.00	0.00	0.00	0.47	4163.68
16	5.76	0.00	0.00	0.00	2.49	4166.95
17	8.24	0.00	0.00	0.00	2.49	4172.70
18	8.61	0.00	0.00	0.00	2.64	4178.67
19	21.22	0.00	0.00	0.00	4.21	4195.68
20	28.43	0.00	0.00	0.00	4.22	4219.89
21	32.85	0.00	0.00	0.00	3.30	4249.44
22	39.82	0.00	0.00	0.00	4.75	4284.51
23	34.36	0.00	0.00	0.00	5.91	4312.96
24	22.47	0.00	0.00	0.00	5.95	4329.48
25	14.89	0.00	0.00	0.00	5.82	4338.55
26	15.53	0.00	0.00	0.00	10.88	4343.20
27	16.40	0.00	0.00	0.00	4.23	4355.37
28	15.14	0.00	0.00	0.00	4.25	4366.26
29	16.62	0.00	0.00	0.00	6.54	4376.34
30	3.97	0.00	0.00	0.00	6.41	4373.90
	309.63	0.00	0.00	0.00	136.05	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2643.33
1	0.00	0.00	0.00	0.00	2.66	2640.67
2	1.19	0.00	0.00	0.00	3.05	2638.81
3	1.27	0.00	0.00	0.00	2.85	2637.23
4	1.93	0.00	0.00	0.00	2.85	2636.31
5	2.01	0.00	0.00	0.00	2.75	2635.57
6	1.35	0.00	0.00	0.00	4.41	2632.51
7	1.22	0.00	0.00	0.00	2.35	2631.38
8	1.18	0.00	0.00	0.00	2.01	2630.55
9	3.78	0.00	0.00	0.00	3.13	2631.20
10	3.24	0.00	0.00	0.00	3.13	2631.31
11	2.33	0.00	0.00	0.00	3.03	2630.61
12	1.75	0.00	0.00	0.00	1.76	2630.60
13	1.41	0.00	0.00	0.00	2.64	2629.37
14	1.38	0.00	0.00	0.00	2.05	2628.70
15	1.28	0.00	0.00	0.00	0.29	2629.69
16	5.76	0.00	0.00	0.00	1.57	2633.88
17	8.24	0.00	0.00	0.00	1.57	2640.55
18	8.61	0.00	0.00	0.00	1.67	2647.49
19	21.22	0.00	0.00	0.00	2.66	2666.05
20	28.43	0.00	0.00	0.00	2.68	2691.80
21	32.85	0.00	0.00	0.00	2.10	2722.55
22	39.82	0.00	0.00	0.00	3.04	2759.33
23	34.36	0.00	0.00	0.00	3.80	2789.89
24	22.47	0.00	0.00	0.00	3.84	2808.52
25	14.89	0.00	0.00	0.00	3.77	2819.64
26	15.53	0.00	0.00	0.00	7.05	2828.12
27	16.40	0.00	0.00	0.00	2.75	2841.77
28	15.14	0.00	0.00	0.00	2.77	2854.14
29	16.62	0.00	0.00	0.00	4.27	2866.49
30	3.97	0.00	0.00	0.00	4.19	2866.27
	309.63	0.00	0.00	0.00	86.69	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						642.41
1	0.00	0.00	0.00	0.00	0.65	641.76
2	0.00	0.00	0.00	0.00	0.74	641.02
3	0.00	0.00	0.00	0.00	0.69	640.33
4	0.00	0.00	0.00	0.00	0.69	639.64
5	0.00	0.00	0.00	0.00	0.67	638.97
6	0.00	0.00	0.00	0.00	1.07	637.90
7	0.00	0.00	0.00	0.00	0.57	637.33
8	0.00	0.00	0.00	0.00	0.49	636.84
9	0.00	0.00	0.00	0.00	0.76	636.08
10	0.00	0.00	0.00	0.00	0.76	635.32
11	0.00	0.00	0.00	0.00	0.73	634.59
12	0.00	0.00	0.00	0.00	0.42	634.17
13	0.00	0.00	0.00	0.00	0.64	633.53
14	0.00	0.00	0.00	0.00	0.49	633.04
15	0.00	0.00	0.00	0.00	0.07	632.97
16	0.00	0.00	0.00	0.00	0.38	632.59
17	0.00	0.00	0.00	0.00	0.38	632.21
18	0.00	0.00	0.00	0.00	0.40	631.81
19	0.00	0.00	0.00	0.00	0.64	631.17
20	0.00	0.00	0.00	0.00	0.63	630.54
21	0.00	0.00	0.00	0.00	0.49	630.05
22	0.00	0.00	0.00	0.00	0.70	629.35
23	0.00	0.00	0.00	0.00	0.87	628.48
24	0.00	0.00	0.00	0.00	0.87	627.61
25	0.00	0.00	0.00	0.00	0.84	626.77
26	0.00	0.00	0.00	0.00	1.57	625.20
27	0.00	0.00	0.00	0.00	0.61	624.59
28	0.00	0.00	0.00	0.00	0.61	623.98
29	0.00	0.00	0.00	0.00	0.93	623.05
30	0.00	0.00	0.00	0.00	0.91	622.14
	0.00	0.00	0.00	0.00	20.27	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						102.98
1	0.00	0.00	0.00	0.00	0.11	102.87
2	0.00	0.00	0.00	0.00	0.12	102.75
3	0.00	0.00	0.00	0.00	0.12	102.63
4	0.00	0.00	0.00	0.00	0.12	102.51
5	0.00	0.00	0.00	0.00	0.11	102.40
6	0.00	0.00	0.00	0.00	0.17	102.23
7	0.00	0.00	0.00	0.00	0.09	102.14
8	0.00	0.00	0.00	0.00	0.07	102.07
9	0.00	0.00	0.00	0.00	0.13	101.94
10	0.00	0.00	0.00	0.00	0.12	101.82
11	0.00	0.00	0.00	0.00	0.12	101.70
12	0.00	0.00	0.00	0.00	0.06	101.64
13	0.00	0.00	0.00	0.00	0.11	101.53
14	0.00	0.00	0.00	0.00	0.08	101.45
15	0.00	0.00	0.00	0.00	0.01	101.44
16	0.00	0.00	0.00	0.00	0.06	101.38
17	0.00	0.00	0.00	0.00	0.06	101.32
18	0.00	0.00	0.00	0.00	0.06	101.26
19	0.00	0.00	0.00	0.00	0.11	101.15
20	0.00	0.00	0.00	0.00	0.11	101.04
21	0.00	0.00	0.00	0.00	0.07	100.97
22	0.00	0.00	0.00	0.00	0.12	100.85
23	0.00	0.00	0.00	0.00	0.14	100.71
24	0.00	0.00	0.00	0.00	0.14	100.57
25	0.00	0.00	0.00	0.00	0.14	100.43
26	0.00	0.00	0.00	0.00	0.25	100.18
27	0.00	0.00	0.00	0.00	0.10	100.08
28	0.00	0.00	0.00	0.00	0.10	99.98
29	0.00	0.00	0.00	0.00	0.15	99.83
30	0.00	0.00	0.00	0.00	0.15	99.68
	0.00	0.00	0.00	0.00	3.30	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.42
1	0.00	0.00	0.00	0.00	0.01	5.41
2	0.00	0.00	0.00	0.00	0.01	5.40
3	0.00	0.00	0.00	0.00	0.01	5.39
4	0.00	0.00	0.00	0.00	0.01	5.38
5	0.00	0.00	0.00	0.00	0.01	5.37
6	0.00	0.00	0.00	0.00	0.01	5.36
7	0.00	0.00	0.00	0.00	0.00	5.36
8	0.00	0.00	0.00	0.00	0.00	5.36
9	0.00	0.00	0.00	0.00	0.01	5.35
10	0.00	0.00	0.00	0.00	0.01	5.34
11	0.00	0.00	0.00	0.00	0.01	5.33
12	0.00	0.00	0.00	0.00	0.00	5.33
13	0.00	0.00	0.00	0.00	0.01	5.32
14	0.00	0.00	0.00	0.00	0.00	5.32
15	0.00	0.00	0.00	0.00	0.00	5.32
16	0.00	0.00	0.00	0.00	0.00	5.32
17	0.00	0.00	0.00	0.00	0.00	5.32
18	0.00	0.00	0.00	0.00	0.00	5.32
19	0.00	0.00	0.00	0.00	0.01	5.31
20	0.00	0.00	0.00	0.00	0.01	5.30
21	0.00	0.00	0.00	0.00	0.00	5.30
22	0.00	0.00	0.00	0.00	0.01	5.29
23	0.00	0.00	0.00	0.00	0.01	5.28
24	0.00	0.00	0.00	0.00	0.01	5.27
25	0.00	0.00	0.00	0.00	0.01	5.26
26	0.00	0.00	0.00	0.00	0.01	5.25
27	0.00	0.00	0.00	0.00	0.01	5.24
28	0.00	0.00	0.00	0.00	0.01	5.23
29	0.00	0.00	0.00	0.00	0.01	5.22
30	0.00	0.00	0.00	0.00	0.01	5.21
	0.00	0.00	0.00	0.00	0.21	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						600.27
1	0.00	0.00	0.00	0.00	0.60	599.67
2	0.00	0.00	0.00	0.00	0.69	598.98
3	0.00	0.00	0.00	0.00	0.65	598.33
4	0.00	0.00	0.00	0.00	0.65	597.68
5	0.00	0.00	0.00	0.00	0.62	597.06
6	0.00	0.00	0.00	0.00	1.00	596.06
7	0.00	0.00	0.00	0.00	0.53	595.53
8	0.00	0.00	0.00	0.00	0.46	595.07
9	0.00	0.00	0.00	0.00	0.71	594.36
10	0.00	0.00	0.00	0.00	0.71	593.65
11	0.00	0.00	0.00	0.00	0.68	592.97
12	0.00	0.00	0.00	0.00	0.40	592.57
13	0.00	0.00	0.00	0.00	0.59	591.98
14	0.00	0.00	0.00	0.00	0.46	591.52
15	0.00	0.00	0.00	0.00	0.07	591.45
16	0.00	0.00	0.00	0.00	0.35	591.10
17	0.00	0.00	0.00	0.00	0.35	590.75
18	0.00	0.00	0.00	0.00	0.37	590.38
19	0.00	0.00	0.00	0.00	0.59	589.79
20	0.00	0.00	0.00	0.00	0.59	589.20
21	0.00	0.00	0.00	0.00	0.46	588.74
22	0.00	0.00	0.00	0.00	0.66	588.08
23	0.00	0.00	0.00	0.00	0.81	587.27
24	0.00	0.00	0.00	0.00	0.81	586.46
25	0.00	0.00	0.00	0.00	0.79	585.67
26	0.00	0.00	0.00	0.00	1.47	584.20
27	0.00	0.00	0.00	0.00	0.57	583.63
28	0.00	0.00	0.00	0.00	0.57	583.06
29	0.00	0.00	0.00	0.00	0.87	582.19
30	0.00	0.00	0.00	0.00	0.85	581.34
	0.00	0.00	0.00	0.00	18.93	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						97.56
1	0.00	0.00	0.00	0.00	0.10	97.46
2	0.00	0.00	0.00	0.00	0.11	97.35
3	0.00	0.00	0.00	0.00	0.11	97.24
4	0.00	0.00	0.00	0.00	0.11	97.13
5	0.00	0.00	0.00	0.00	0.10	97.03
6	0.00	0.00	0.00	0.00	0.16	96.87
7	0.00	0.00	0.00	0.00	0.09	96.78
8	0.00	0.00	0.00	0.00	0.07	96.71
9	0.00	0.00	0.00	0.00	0.12	96.59
10	0.00	0.00	0.00	0.00	0.11	96.48
11	0.00	0.00	0.00	0.00	0.11	96.37
12	0.00	0.00	0.00	0.00	0.06	96.31
13	0.00	0.00	0.00	0.00	0.10	96.21
14	0.00	0.00	0.00	0.00	0.08	96.13
15	0.00	0.00	0.00	0.00	0.01	96.12
16	0.00	0.00	0.00	0.00	0.06	96.06
17	0.00	0.00	0.00	0.00	0.06	96.00
18	0.00	0.00	0.00	0.00	0.06	95.94
19	0.00	0.00	0.00	0.00	0.10	95.84
20	0.00	0.00	0.00	0.00	0.10	95.74
21	0.00	0.00	0.00	0.00	0.07	95.67
22	0.00	0.00	0.00	0.00	0.11	95.56
23	0.00	0.00	0.00	0.00	0.13	95.43
24	0.00	0.00	0.00	0.00	0.13	95.30
25	0.00	0.00	0.00	0.00	0.13	95.17
26	0.00	0.00	0.00	0.00	0.24	94.93
27	0.00	0.00	0.00	0.00	0.09	94.84
28	0.00	0.00	0.00	0.00	0.09	94.75
29	0.00	0.00	0.00	0.00	0.14	94.61
30	0.00	0.00	0.00	0.00	0.14	94.47
	0.00	0.00	0.00	0.00	3.09	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						321.97
1	0.00	0.00	0.00	0.00	0.32	321.65
2	0.00	0.00	0.00	0.00	0.37	321.28
3	0.00	0.00	0.00	0.00	0.35	320.93
4	0.00	0.00	0.00	0.00	0.35	320.58
5	0.00	0.00	0.00	0.00	0.33	320.25
6	0.00	0.00	0.00	0.00	0.54	319.71
7	0.00	0.00	0.00	0.00	0.29	319.42
8	0.00	0.00	0.00	0.00	0.24	319.18
9	0.00	0.00	0.00	0.00	0.38	318.80
10	0.00	0.00	0.00	0.00	0.38	318.42
11	0.00	0.00	0.00	0.00	0.37	318.05
12	0.00	0.00	0.00	0.00	0.21	317.84
13	0.00	0.00	0.00	0.00	0.32	317.52
14	0.00	0.00	0.00	0.00	0.25	317.27
15	0.00	0.00	0.00	0.00	0.04	317.23
16	0.00	0.00	0.00	0.00	0.19	317.04
17	0.00	0.00	0.00	0.00	0.19	316.85
18	0.00	0.00	0.00	0.00	0.20	316.65
19	0.00	0.00	0.00	0.00	0.32	316.33
20	0.00	0.00	0.00	0.00	0.32	316.01
21	0.00	0.00	0.00	0.00	0.25	315.76
22	0.00	0.00	0.00	0.00	0.35	315.41
23	0.00	0.00	0.00	0.00	0.43	314.98
24	0.00	0.00	0.00	0.00	0.43	314.55
25	0.00	0.00	0.00	0.00	0.42	314.13
26	0.00	0.00	0.00	0.00	0.79	313.34
27	0.00	0.00	0.00	0.00	0.30	313.04
28	0.00	0.00	0.00	0.00	0.30	312.74
29	0.00	0.00	0.00	0.00	0.47	312.27
30	0.00	0.00	0.00	0.00	0.46	311.81
	0.00	0.00	0.00	0.00	10.16	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4473.58
1	11.50	0.00	0.00	0.00	6.55	4478.53
2	11.63	0.00	0.00	0.00	6.56	4483.60
3	11.63	0.00	0.00	0.00	1.69	4493.54
4	11.40	0.00	0.00	0.00	1.01	4503.93
5	11.30	0.00	0.00	0.00	5.58	4509.65
6	10.31	0.00	0.00	0.00	4.42	4515.54
7	10.31	0.00	0.00	0.00	4.09	4521.76
8	10.93	0.00	0.00	0.00	4.11	4528.58
9	12.04	0.00	0.00	0.00	4.14	4536.48
10	24.58	0.00	0.00	0.00	5.38	4555.68
11	36.95	0.00	0.00	0.00	5.42	4587.21
12	45.74	0.00	0.00	0.00	5.46	4627.49
13	30.10	0.00	0.00	0.00	5.49	4652.10
14	1.50	0.00	0.00	0.00	1.06	4652.54
15	3.64	0.00	0.00	0.00	1.07	4655.11
16	1.34	0.00	0.00	0.00	0.91	4655.54
17	0.00	0.00	0.00	0.00	5.53	4650.01
18	0.00	0.00	0.00	0.00	1.49	4648.52
19	18.74	0.00	0.00	0.00	3.89	4663.37
20	46.72	0.00	0.00	0.00	10.60	4699.49
21	38.01	0.00	0.00	0.00	3.95	4733.55
22	35.40	0.00	0.00	0.00	4.18	4764.77
23	48.81	0.00	0.00	0.00	7.87	4805.71
24	69.99	0.00	0.00	0.00	7.18	4868.52
25	49.93	0.00	0.00	0.00	2.56	4915.89
26	76.97	0.00	0.00	0.00	6.80	4986.06
27	87.31	0.00	0.00	0.00	7.88	5065.49
28	106.36	0.00	0.00	0.00	6.01	5165.84
29	113.62	0.00	0.00	0.00	6.02	5273.44
30	89.45	0.00	0.00	0.00	6.25	5356.64
31	75.80	0.00	0.00	0.00	7.82	5424.62
	1102.01	0.00	0.00	0.00	150.97	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						893.15
1	0.00	0.00	0.00	0.00	1.31	891.84
2	0.00	0.00	0.00	0.00	1.30	890.54
3	0.00	0.00	0.00	0.00	0.34	890.20
4	0.00	0.00	0.00	0.00	0.20	890.00
5	0.00	0.00	0.00	0.00	1.10	888.90
6	0.00	0.00	0.00	0.00	0.87	888.03
7	0.00	0.00	0.00	0.00	0.80	887.23
8	0.00	0.00	0.00	0.00	0.80	886.43
9	0.00	0.00	0.00	0.00	0.81	885.62
10	0.00	0.00	0.00	0.00	1.05	884.57
11	0.00	0.00	0.00	0.00	1.05	883.52
12	0.00	0.00	0.00	0.00	1.05	882.47
13	0.00	0.00	0.00	0.00	1.04	881.43
14	0.00	0.00	0.00	0.00	0.20	881.23
15	0.00	0.00	0.00	0.00	0.20	881.03
16	0.00	0.00	0.00	0.00	0.17	880.86
17	0.00	0.00	0.00	0.00	1.04	879.82
18	0.00	0.00	0.00	0.00	0.28	879.54
19	0.00	0.00	0.00	0.00	0.74	878.80
20	0.00	0.00	0.00	0.00	2.00	876.80
21	0.00	0.00	0.00	0.00	0.74	876.06
22	0.00	0.00	0.00	0.00	0.77	875.29
23	0.00	0.00	0.00	0.00	1.44	873.85
24	0.00	0.00	0.00	0.00	1.30	872.55
25	0.00	0.00	0.00	0.00	0.46	872.09
26	0.00	0.00	0.00	0.00	1.20	870.89
27	0.00	0.00	0.00	0.00	1.37	869.52
28	0.00	0.00	0.00	0.00	1.03	868.49
29	0.00	0.00	0.00	0.00	1.01	867.48
30	0.00	0.00	0.00	0.00	1.03	866.45
31	0.00	0.00	0.00	0.00	1.26	865.19
	0.00	0.00	0.00	0.00	27.96	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4373.90
1	11.50	0.00	0.00	0.00	6.40	4379.00
2	11.63	0.00	0.00	0.00	6.41	4384.22
3	11.63	0.00	0.00	0.00	1.65	4394.20
4	11.40	0.00	0.00	0.00	0.99	4404.61
5	11.30	0.00	0.00	0.00	5.45	4410.46
6	10.31	0.00	0.00	0.00	4.32	4416.45
7	10.31	0.00	0.00	0.00	4.00	4422.76
8	10.93	0.00	0.00	0.00	4.02	4429.67
9	12.04	0.00	0.00	0.00	4.05	4437.66
10	24.58	0.00	0.00	0.00	5.26	4456.98
11	36.95	0.00	0.00	0.00	5.30	4488.63
12	45.74	0.00	0.00	0.00	5.34	4529.03
13	30.10	0.00	0.00	0.00	5.37	4553.76
14	1.50	0.00	0.00	0.00	1.04	4554.22
15	3.64	0.00	0.00	0.00	1.05	4556.81
16	1.34	0.00	0.00	0.00	0.89	4557.26
17	0.00	0.00	0.00	0.00	5.41	4551.85
18	0.00	0.00	0.00	0.00	1.46	4550.39
19	18.74	0.00	0.00	0.00	3.81	4565.32
20	46.72	0.00	0.00	0.00	10.38	4601.66
21	38.01	0.00	0.00	0.00	3.87	4635.80
22	35.40	0.00	0.00	0.00	4.10	4667.10
23	48.81	0.00	0.00	0.00	7.71	4708.20
24	69.99	0.00	0.00	0.00	7.03	4771.16
25	49.93	0.00	0.00	0.00	2.51	4818.58
26	76.97	0.00	0.00	0.00	6.66	4888.89
27	87.31	0.00	0.00	0.00	7.72	4968.48
28	106.36	0.00	0.00	0.00	5.89	5068.95
29	113.62	0.00	0.00	0.00	5.90	5176.67
30	89.45	0.00	0.00	0.00	6.13	5259.99
31	75.80	0.00	0.00	0.00	7.68	5328.11
	1102.01	0.00	0.00	0.00	147.80	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2866.27
1	11.50	0.00	0.00	0.00	4.18	2873.59
2	11.63	0.00	0.00	0.00	4.20	2881.02
3	11.63	0.00	0.00	0.00	1.08	2891.57
4	11.40	0.00	0.00	0.00	0.65	2902.32
5	11.30	0.00	0.00	0.00	3.58	2910.04
6	10.31	0.00	0.00	0.00	2.84	2917.51
7	10.31	0.00	0.00	0.00	2.64	2925.18
8	10.93	0.00	0.00	0.00	2.66	2933.45
9	12.04	0.00	0.00	0.00	2.68	2942.81
10	24.58	0.00	0.00	0.00	3.48	2963.91
11	36.95	0.00	0.00	0.00	3.52	2997.34
12	45.74	0.00	0.00	0.00	3.56	3039.52
13	30.10	0.00	0.00	0.00	3.60	3066.02
14	1.50	0.00	0.00	0.00	0.70	3066.82
15	3.64	0.00	0.00	0.00	0.71	3069.75
16	1.34	0.00	0.00	0.00	0.60	3070.49
17	0.00	0.00	0.00	0.00	3.64	3066.85
18	0.00	0.00	0.00	0.00	0.98	3065.87
19	18.74	0.00	0.00	0.00	2.56	3082.05
20	46.72	0.00	0.00	0.00	6.99	3121.78
21	38.01	0.00	0.00	0.00	2.62	3157.17
22	35.40	0.00	0.00	0.00	2.79	3189.78
23	48.81	0.00	0.00	0.00	5.26	3233.33
24	69.99	0.00	0.00	0.00	4.82	3298.50
25	49.93	0.00	0.00	0.00	1.73	3346.70
26	76.97	0.00	0.00	0.00	4.62	3419.05
27	87.31	0.00	0.00	0.00	5.39	3500.97
28	106.36	0.00	0.00	0.00	4.14	3603.19
29	113.62	0.00	0.00	0.00	4.19	3712.62
30	89.45	0.00	0.00	0.00	4.39	3797.68
31	75.80	0.00	0.00	0.00	5.54	3867.94
	1102.01	0.00	0.00	0.00	100.34	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						622.14
1	0.00	0.00	0.00	0.00	0.91	621.23
2	0.00	0.00	0.00	0.00	0.91	620.32
3	0.00	0.00	0.00	0.00	0.23	620.09
4	0.00	0.00	0.00	0.00	0.14	619.95
5	0.00	0.00	0.00	0.00	0.77	619.18
6	0.00	0.00	0.00	0.00	0.61	618.57
7	0.00	0.00	0.00	0.00	0.56	618.01
8	0.00	0.00	0.00	0.00	0.56	617.45
9	0.00	0.00	0.00	0.00	0.56	616.89
10	0.00	0.00	0.00	0.00	0.73	616.16
11	0.00	0.00	0.00	0.00	0.73	615.43
12	0.00	0.00	0.00	0.00	0.73	614.70
13	0.00	0.00	0.00	0.00	0.73	613.97
14	0.00	0.00	0.00	0.00	0.14	613.83
15	0.00	0.00	0.00	0.00	0.14	613.69
16	0.00	0.00	0.00	0.00	0.12	613.57
17	0.00	0.00	0.00	0.00	0.73	612.84
18	0.00	0.00	0.00	0.00	0.20	612.64
19	0.00	0.00	0.00	0.00	0.51	612.13
20	0.00	0.00	0.00	0.00	1.39	610.74
21	0.00	0.00	0.00	0.00	0.51	610.23
22	0.00	0.00	0.00	0.00	0.54	609.69
23	0.00	0.00	0.00	0.00	1.01	608.68
24	0.00	0.00	0.00	0.00	0.91	607.77
25	0.00	0.00	0.00	0.00	0.32	607.45
26	0.00	0.00	0.00	0.00	0.84	606.61
27	0.00	0.00	0.00	0.00	0.96	605.65
28	0.00	0.00	0.00	0.00	0.72	604.93
29	0.00	0.00	0.00	0.00	0.70	604.23
30	0.00	0.00	0.00	0.00	0.71	603.52
31	0.00	0.00	0.00	0.00	0.88	602.64
	0.00	0.00	0.00	0.00	19.50	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						99.68
1	0.00	0.00	0.00	0.00	0.15	99.53
2	0.00	0.00	0.00	0.00	0.15	99.38
3	0.00	0.00	0.00	0.00	0.04	99.34
4	0.00	0.00	0.00	0.00	0.02	99.32
5	0.00	0.00	0.00	0.00	0.13	99.19
6	0.00	0.00	0.00	0.00	0.10	99.09
7	0.00	0.00	0.00	0.00	0.09	99.00
8	0.00	0.00	0.00	0.00	0.09	98.91
9	0.00	0.00	0.00	0.00	0.09	98.82
10	0.00	0.00	0.00	0.00	0.12	98.70
11	0.00	0.00	0.00	0.00	0.12	98.58
12	0.00	0.00	0.00	0.00	0.12	98.46
13	0.00	0.00	0.00	0.00	0.12	98.34
14	0.00	0.00	0.00	0.00	0.02	98.32
15	0.00	0.00	0.00	0.00	0.02	98.30
16	0.00	0.00	0.00	0.00	0.02	98.28
17	0.00	0.00	0.00	0.00	0.12	98.16
18	0.00	0.00	0.00	0.00	0.03	98.13
19	0.00	0.00	0.00	0.00	0.08	98.05
20	0.00	0.00	0.00	0.00	0.22	97.83
21	0.00	0.00	0.00	0.00	0.08	97.75
22	0.00	0.00	0.00	0.00	0.08	97.67
23	0.00	0.00	0.00	0.00	0.16	97.51
24	0.00	0.00	0.00	0.00	0.15	97.36
25	0.00	0.00	0.00	0.00	0.05	97.31
26	0.00	0.00	0.00	0.00	0.14	97.17
27	0.00	0.00	0.00	0.00	0.16	97.01
28	0.00	0.00	0.00	0.00	0.12	96.89
29	0.00	0.00	0.00	0.00	0.12	96.77
30	0.00	0.00	0.00	0.00	0.12	96.65
31	0.00	0.00	0.00	0.00	0.14	96.51
	0.00	0.00	0.00	0.00	3.17	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.21
1	0.00	0.00	0.00	0.00	0.01	5.20
2	0.00	0.00	0.00	0.00	0.01	5.19
3	0.00	0.00	0.00	0.00	0.00	5.19
4	0.00	0.00	0.00	0.00	0.00	5.19
5	0.00	0.00	0.00	0.00	0.01	5.18
6	0.00	0.00	0.00	0.00	0.01	5.17
7	0.00	0.00	0.00	0.00	0.00	5.17
8	0.00	0.00	0.00	0.00	0.00	5.17
9	0.00	0.00	0.00	0.00	0.00	5.17
10	0.00	0.00	0.00	0.00	0.01	5.16
11	0.00	0.00	0.00	0.00	0.01	5.15
12	0.00	0.00	0.00	0.00	0.01	5.14
13	0.00	0.00	0.00	0.00	0.01	5.13
14	0.00	0.00	0.00	0.00	0.00	5.13
15	0.00	0.00	0.00	0.00	0.00	5.13
16	0.00	0.00	0.00	0.00	0.00	5.13
17	0.00	0.00	0.00	0.00	0.01	5.12
18	0.00	0.00	0.00	0.00	0.00	5.12
19	0.00	0.00	0.00	0.00	0.00	5.12
20	0.00	0.00	0.00	0.00	0.01	5.11
21	0.00	0.00	0.00	0.00	0.00	5.11
22	0.00	0.00	0.00	0.00	0.00	5.11
23	0.00	0.00	0.00	0.00	0.01	5.10
24	0.00	0.00	0.00	0.00	0.01	5.09
25	0.00	0.00	0.00	0.00	0.00	5.09
26	0.00	0.00	0.00	0.00	0.01	5.08
27	0.00	0.00	0.00	0.00	0.01	5.07
28	0.00	0.00	0.00	0.00	0.01	5.06
29	0.00	0.00	0.00	0.00	0.01	5.05
30	0.00	0.00	0.00	0.00	0.01	5.04
31	0.00	0.00	0.00	0.00	0.01	5.03
	0.00	0.00	0.00	0.00	0.18	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						581.34
1	0.00	0.00	0.00	0.00	0.85	580.49
2	0.00	0.00	0.00	0.00	0.85	579.64
3	0.00	0.00	0.00	0.00	0.22	579.42
4	0.00	0.00	0.00	0.00	0.13	579.29
5	0.00	0.00	0.00	0.00	0.72	578.57
6	0.00	0.00	0.00	0.00	0.57	578.00
7	0.00	0.00	0.00	0.00	0.52	577.48
8	0.00	0.00	0.00	0.00	0.52	576.96
9	0.00	0.00	0.00	0.00	0.53	576.43
10	0.00	0.00	0.00	0.00	0.68	575.75
11	0.00	0.00	0.00	0.00	0.68	575.07
12	0.00	0.00	0.00	0.00	0.68	574.39
13	0.00	0.00	0.00	0.00	0.68	573.71
14	0.00	0.00	0.00	0.00	0.13	573.58
15	0.00	0.00	0.00	0.00	0.13	573.45
16	0.00	0.00	0.00	0.00	0.11	573.34
17	0.00	0.00	0.00	0.00	0.68	572.66
18	0.00	0.00	0.00	0.00	0.18	572.48
19	0.00	0.00	0.00	0.00	0.48	572.00
20	0.00	0.00	0.00	0.00	1.30	570.70
21	0.00	0.00	0.00	0.00	0.48	570.22
22	0.00	0.00	0.00	0.00	0.50	569.72
23	0.00	0.00	0.00	0.00	0.94	568.78
24	0.00	0.00	0.00	0.00	0.85	567.93
25	0.00	0.00	0.00	0.00	0.30	567.63
26	0.00	0.00	0.00	0.00	0.78	566.85
27	0.00	0.00	0.00	0.00	0.89	565.96
28	0.00	0.00	0.00	0.00	0.67	565.29
29	0.00	0.00	0.00	0.00	0.66	564.63
30	0.00	0.00	0.00	0.00	0.67	563.96
31	0.00	0.00	0.00	0.00	0.82	563.14
	0.00	0.00	0.00	0.00	18.20	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						94.47
1	0.00	0.00	0.00	0.00	0.14	94.33
2	0.00	0.00	0.00	0.00	0.14	94.19
3	0.00	0.00	0.00	0.00	0.04	94.15
4	0.00	0.00	0.00	0.00	0.02	94.13
5	0.00	0.00	0.00	0.00	0.12	94.01
6	0.00	0.00	0.00	0.00	0.09	93.92
7	0.00	0.00	0.00	0.00	0.09	93.83
8	0.00	0.00	0.00	0.00	0.09	93.74
9	0.00	0.00	0.00	0.00	0.09	93.65
10	0.00	0.00	0.00	0.00	0.11	93.54
11	0.00	0.00	0.00	0.00	0.11	93.43
12	0.00	0.00	0.00	0.00	0.11	93.32
13	0.00	0.00	0.00	0.00	0.11	93.21
14	0.00	0.00	0.00	0.00	0.02	93.19
15	0.00	0.00	0.00	0.00	0.02	93.17
16	0.00	0.00	0.00	0.00	0.02	93.15
17	0.00	0.00	0.00	0.00	0.11	93.04
18	0.00	0.00	0.00	0.00	0.03	93.01
19	0.00	0.00	0.00	0.00	0.08	92.93
20	0.00	0.00	0.00	0.00	0.21	92.72
21	0.00	0.00	0.00	0.00	0.08	92.64
22	0.00	0.00	0.00	0.00	0.08	92.56
23	0.00	0.00	0.00	0.00	0.15	92.41
24	0.00	0.00	0.00	0.00	0.14	92.27
25	0.00	0.00	0.00	0.00	0.05	92.22
26	0.00	0.00	0.00	0.00	0.13	92.09
27	0.00	0.00	0.00	0.00	0.15	91.94
28	0.00	0.00	0.00	0.00	0.11	91.83
29	0.00	0.00	0.00	0.00	0.11	91.72
30	0.00	0.00	0.00	0.00	0.11	91.61
31	0.00	0.00	0.00	0.00	0.13	91.48
	0.00	0.00	0.00	0.00	2.99	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						311.81
1	0.00	0.00	0.00	0.00	0.46	311.35
2	0.00	0.00	0.00	0.00	0.45	310.90
3	0.00	0.00	0.00	0.00	0.12	310.78
4	0.00	0.00	0.00	0.00	0.07	310.71
5	0.00	0.00	0.00	0.00	0.38	310.33
6	0.00	0.00	0.00	0.00	0.30	310.03
7	0.00	0.00	0.00	0.00	0.28	309.75
8	0.00	0.00	0.00	0.00	0.28	309.47
9	0.00	0.00	0.00	0.00	0.28	309.19
10	0.00	0.00	0.00	0.00	0.37	308.82
11	0.00	0.00	0.00	0.00	0.37	308.45
12	0.00	0.00	0.00	0.00	0.37	308.08
13	0.00	0.00	0.00	0.00	0.36	307.72
14	0.00	0.00	0.00	0.00	0.07	307.65
15	0.00	0.00	0.00	0.00	0.07	307.58
16	0.00	0.00	0.00	0.00	0.06	307.52
17	0.00	0.00	0.00	0.00	0.36	307.16
18	0.00	0.00	0.00	0.00	0.10	307.06
19	0.00	0.00	0.00	0.00	0.26	306.80
20	0.00	0.00	0.00	0.00	0.70	306.10
21	0.00	0.00	0.00	0.00	0.26	305.84
22	0.00	0.00	0.00	0.00	0.27	305.57
23	0.00	0.00	0.00	0.00	0.50	305.07
24	0.00	0.00	0.00	0.00	0.45	304.62
25	0.00	0.00	0.00	0.00	0.16	304.46
26	0.00	0.00	0.00	0.00	0.42	304.04
27	0.00	0.00	0.00	0.00	0.48	303.56
28	0.00	0.00	0.00	0.00	0.36	303.20
29	0.00	0.00	0.00	0.00	0.35	302.85
30	0.00	0.00	0.00	0.00	0.36	302.49
31	0.00	0.00	0.00	0.00	0.44	302.05
	0.00	0.00	0.00	0.00	9.76	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5424.62
1	21.50	0.00	0.00	0.00	7.78	5438.34
2	130.27	0.00	0.00	0.00	5.58	5563.03
3	148.11	0.00	0.00	0.00	5.46	5705.68
4	145.38	0.00	0.00	0.00	8.05	5843.01
5	140.53	0.00	0.00	0.00	8.19	5975.35
6	142.85	0.00	0.00	0.00	8.39	6109.81
7	94.99	0.00	0.00	0.00	8.57	6196.23
8	89.50	0.00	0.00	0.00	8.67	6277.06
9	78.89	0.00	0.00	0.00	5.84	6350.11
10	70.62	0.00	0.00	0.00	10.93	6409.80
11	71.42	0.00	0.00	0.00	8.53	6472.69
12	71.75	0.00	0.00	0.00	8.64	6535.80
13	54.28	0.00	0.00	0.00	8.75	6581.33
14	42.19	0.00	0.00	0.00	10.51	6613.01
15	40.03	0.00	0.00	0.00	10.34	6642.70
16	33.89	0.00	0.00	0.00	10.63	6665.96
17	31.39	0.00	0.00	0.00	9.44	6687.91
18	38.22	0.00	0.00	185.96	9.46	6530.71
19	57.93	0.00	0.00	495.88	9.25	6083.51
20	49.20	0.00	0.00	495.88	8.65	5628.18
21	48.17	0.00	0.00	495.88	5.98	5174.49
22	49.48	0.00	0.00	565.71	7.43	4650.83
23	49.86	0.00	0.00	624.80	7.24	4068.65
24	37.58	0.00	0.00	624.80	8.05	3473.38
25	34.75	0.00	0.00	624.80	3.67	2879.66
26	38.80	0.00	0.00	624.80	3.07	2290.59
27	26.66	309.52	0.00	624.80	2.55	1999.42
28	26.49	2224.10	0.00	624.80	1.93	3623.28
29	26.74	124.04	0.00	624.80	0.56	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	2657.66	0.00	7204.66	213.13	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						865.19
1	0.00	0.00	0.00	0.00	1.24	863.95
2	0.00	0.00	0.00	0.00	0.89	863.06
3	0.00	0.00	0.00	0.00	0.85	862.21
4	0.00	0.00	0.00	0.00	1.21	861.00
5	0.00	0.00	0.00	0.00	1.20	859.80
6	0.00	0.00	0.00	0.00	1.20	858.60
7	0.00	0.00	0.00	0.00	1.20	857.40
8	0.00	0.00	0.00	0.00	1.20	856.20
9	0.00	0.00	0.00	0.00	0.80	855.40
10	0.00	0.00	0.00	0.00	1.47	853.93
11	0.00	0.00	0.00	0.00	1.14	852.79
12	0.00	0.00	0.00	0.00	1.14	851.65
13	0.00	0.00	0.00	0.00	1.14	850.51
14	0.00	0.00	0.00	0.00	1.35	849.16
15	0.00	0.00	0.00	0.00	1.32	847.84
16	0.00	0.00	0.00	0.00	1.35	846.49
17	0.00	0.00	0.00	0.00	1.20	845.29
18	0.00	0.00	0.00	0.00	1.20	844.09
19	0.00	0.00	0.00	0.00	1.20	842.89
20	0.00	0.00	0.00	0.00	1.20	841.69
21	0.00	0.00	0.00	0.00	0.89	840.80
22	0.00	0.00	0.00	0.00	1.20	839.60
23	0.00	0.00	0.00	0.00	1.31	838.29
24	0.00	0.00	0.00	0.00	1.66	836.63
25	0.00	0.00	0.00	0.00	0.88	835.75
26	0.00	0.00	0.00	0.00	0.89	834.86
27	0.00	0.00	0.00	0.00	0.92	833.94
28	0.00	0.00	0.00	0.00	0.80	833.14
29	0.00	0.00	0.00	0.00	0.13	833.01
30	0.00	0.00	0.00	0.00	0.26	832.75
	0.00	0.00	0.00	0.00	32.44	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5328.11
1	21.50	0.00	0.00	0.00	7.64	5341.97
2	130.27	0.00	0.00	0.00	5.48	5466.76
3	148.11	0.00	0.00	0.00	5.37	5609.50
4	145.38	0.00	0.00	0.00	7.91	5746.97
5	140.53	0.00	0.00	0.00	8.05	5879.45
6	142.85	0.00	0.00	0.00	8.25	6014.05
7	94.99	0.00	0.00	0.00	8.43	6100.61
8	89.50	0.00	0.00	0.00	8.53	6181.58
9	78.89	0.00	0.00	0.00	5.76	6254.71
10	70.62	0.00	0.00	0.00	10.76	6314.57
11	71.42	0.00	0.00	0.00	8.40	6377.59
12	71.75	0.00	0.00	0.00	8.51	6440.83
13	54.28	0.00	0.00	0.00	8.62	6486.49
14	42.19	0.00	0.00	0.00	10.36	6518.32
15	40.03	0.00	0.00	0.00	10.19	6548.16
16	33.89	0.00	0.00	0.00	10.48	6571.57
17	31.39	0.00	0.00	0.00	9.30	6593.66
18	38.22	0.00	0.00	185.96	9.32	6436.60
19	57.93	0.00	0.00	406.77	9.11	6078.65
20	49.20	0.00	0.00	495.88	8.64	5623.33
21	48.17	0.00	0.00	495.88	5.97	5169.65
22	49.48	0.00	0.00	565.71	7.42	4646.00
23	49.86	0.00	0.00	624.80	7.23	4063.83
24	37.58	0.00	0.00	624.80	8.04	3468.57
25	34.75	0.00	0.00	624.80	3.66	2874.86
26	38.80	0.00	0.00	624.80	3.06	2285.80
27	26.66	0.00	0.00	341.55	2.54	1968.37
28	26.49	1741.04	0.00	182.59	1.90	3551.41
29	26.74	76.61	0.00	505.51	0.55	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	1817.65	0.00	6270.80	210.47	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3867.94
1	21.50	0.00	0.00	0.00	5.54	3883.90
2	130.27	0.00	0.00	0.00	3.97	4010.20
3	148.11	0.00	0.00	0.00	3.93	4154.38
4	145.38	0.00	0.00	0.00	5.85	4293.91
5	140.53	0.00	0.00	0.00	6.01	4428.43
6	142.85	0.00	0.00	0.00	6.21	4565.07
7	94.99	0.00	0.00	0.00	6.39	4653.67
8	89.50	0.00	0.00	0.00	6.50	4736.67
9	78.89	0.00	0.00	0.00	4.41	4811.15
10	70.62	0.00	0.00	0.00	8.27	4873.50
11	71.42	0.00	0.00	0.00	6.47	4938.45
12	71.75	0.00	0.00	0.00	6.58	5003.62
13	54.28	0.00	0.00	0.00	6.69	5051.21
14	42.19	0.00	0.00	0.00	8.06	5085.34
15	40.03	0.00	0.00	0.00	7.95	5117.42
16	33.89	0.00	0.00	0.00	8.19	5143.12
17	31.39	0.00	0.00	0.00	7.27	5167.24
18	38.22	0.00	0.00	0.00	7.29	5198.17
19	57.93	0.00	0.00	5.34	7.34	5243.42
20	49.20	0.00	0.00	495.88	7.44	4789.30
21	48.17	0.00	0.00	495.88	5.08	4336.51
22	49.48	0.00	0.00	565.71	6.22	3814.06
23	49.86	0.00	0.00	624.80	5.92	3233.20
24	37.58	0.00	0.00	624.80	6.38	2639.60
25	34.75	0.00	0.00	624.80	2.78	2046.77
26	38.80	0.00	0.00	624.80	2.17	1458.60
27	26.66	0.00	0.00	341.55	1.62	1142.09
28	26.49	1741.04	0.00	182.59	1.10	2725.93
29	26.74	76.61	0.00	505.51	0.42	2323.35
30	25.98	0.00	0.00	591.75	0.73	1756.85
	1917.45	1817.65	0.00	5683.41	162.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						602.64
1	0.00	0.00	0.00	0.00	0.86	601.78
2	0.00	0.00	0.00	0.00	0.62	601.16
3	0.00	0.00	0.00	0.00	0.59	600.57
4	0.00	0.00	0.00	0.00	0.85	599.72
5	0.00	0.00	0.00	0.00	0.84	598.88
6	0.00	0.00	0.00	0.00	0.84	598.04
7	0.00	0.00	0.00	0.00	0.84	597.20
8	0.00	0.00	0.00	0.00	0.83	596.37
9	0.00	0.00	0.00	0.00	0.55	595.82
10	0.00	0.00	0.00	0.00	1.02	594.80
11	0.00	0.00	0.00	0.00	0.79	594.01
12	0.00	0.00	0.00	0.00	0.79	593.22
13	0.00	0.00	0.00	0.00	0.79	592.43
14	0.00	0.00	0.00	0.00	0.95	591.48
15	0.00	0.00	0.00	0.00	0.92	590.56
16	0.00	0.00	0.00	0.00	0.94	589.62
17	0.00	0.00	0.00	0.00	0.83	588.79
18	0.00	0.00	0.00	185.96	0.83	402.00
19	0.00	0.00	0.00	401.43	0.57	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	587.39	15.25	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						96.51
1	0.00	0.00	0.00	0.00	0.14	96.37
2	0.00	0.00	0.00	0.00	0.10	96.27
3	0.00	0.00	0.00	0.00	0.09	96.18
4	0.00	0.00	0.00	0.00	0.14	96.04
5	0.00	0.00	0.00	0.00	0.14	95.90
6	0.00	0.00	0.00	0.00	0.14	95.76
7	0.00	0.00	0.00	0.00	0.14	95.62
8	0.00	0.00	0.00	0.00	0.14	95.48
9	0.00	0.00	0.00	0.00	0.08	95.40
10	0.00	0.00	0.00	0.00	0.17	95.23
11	0.00	0.00	0.00	0.00	0.13	95.10
12	0.00	0.00	0.00	0.00	0.13	94.97
13	0.00	0.00	0.00	0.00	0.13	94.84
14	0.00	0.00	0.00	0.00	0.15	94.69
15	0.00	0.00	0.00	0.00	0.15	94.54
16	0.00	0.00	0.00	0.00	0.15	94.39
17	0.00	0.00	0.00	0.00	0.14	94.25
18	0.00	0.00	0.00	0.00	0.14	94.11
19	0.00	0.00	0.00	89.11	0.14	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	309.52	0.00	283.25	0.01	31.05
28	0.00	483.06	0.00	442.21	0.03	71.87
29	0.00	47.43	0.00	119.29	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	840.01	0.00	933.86	2.66	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.03
1	0.00	0.00	0.00	0.00	0.01	5.02
2	0.00	0.00	0.00	0.00	0.01	5.01
3	0.00	0.00	0.00	0.00	0.00	5.01
4	0.00	0.00	0.00	0.00	0.01	5.00
5	0.00	0.00	0.00	0.00	0.01	4.99
6	0.00	0.00	0.00	0.00	0.01	4.98
7	0.00	0.00	0.00	0.00	0.01	4.97
8	0.00	0.00	0.00	0.00	0.01	4.96
9	0.00	0.00	0.00	0.00	0.00	4.96
10	0.00	0.00	0.00	0.00	0.01	4.95
11	0.00	0.00	0.00	0.00	0.01	4.94
12	0.00	0.00	0.00	0.00	0.01	4.93
13	0.00	0.00	0.00	0.00	0.01	4.92
14	0.00	0.00	0.00	0.00	0.01	4.91
15	0.00	0.00	0.00	0.00	0.01	4.90
16	0.00	0.00	0.00	0.00	0.01	4.89
17	0.00	0.00	0.00	0.00	0.01	4.88
18	0.00	0.00	0.00	0.00	0.01	4.87
19	0.00	0.00	0.00	0.00	0.01	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	26.27	0.00	0.00	0.01	31.05
28	0.00	40.85	0.00	0.00	0.03	71.87
29	0.00	4.03	0.00	75.89	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	71.15	0.00	75.89	0.29	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						563.14
1	0.00	0.00	0.00	0.00	0.81	562.33
2	0.00	0.00	0.00	0.00	0.58	561.75
3	0.00	0.00	0.00	0.00	0.55	561.20
4	0.00	0.00	0.00	0.00	0.79	560.41
5	0.00	0.00	0.00	0.00	0.78	559.63
6	0.00	0.00	0.00	0.00	0.78	558.85
7	0.00	0.00	0.00	0.00	0.78	558.07
8	0.00	0.00	0.00	0.00	0.78	557.29
9	0.00	0.00	0.00	0.00	0.52	556.77
10	0.00	0.00	0.00	0.00	0.96	555.81
11	0.00	0.00	0.00	0.00	0.74	555.07
12	0.00	0.00	0.00	0.00	0.74	554.33
13	0.00	0.00	0.00	0.00	0.74	553.59
14	0.00	0.00	0.00	0.00	0.88	552.71
15	0.00	0.00	0.00	0.00	0.86	551.85
16	0.00	0.00	0.00	0.00	0.88	550.97
17	0.00	0.00	0.00	0.00	0.78	550.19
18	0.00	0.00	0.00	0.00	0.78	549.41
19	0.00	0.00	0.00	0.00	0.78	548.63
20	0.00	0.00	0.00	0.00	0.78	547.85
21	0.00	0.00	0.00	0.00	0.58	547.27
22	0.00	0.00	0.00	0.00	0.78	546.49
23	0.00	0.00	0.00	0.00	0.85	545.64
24	0.00	0.00	0.00	0.00	1.08	544.56
25	0.00	0.00	0.00	0.00	0.57	543.99
26	0.00	0.00	0.00	0.00	0.58	543.41
27	0.00	0.00	0.00	0.00	0.60	542.81
28	0.00	0.00	0.00	0.00	0.52	542.29
29	0.00	0.00	0.00	0.00	0.08	542.21
30	0.00	0.00	0.00	0.00	0.17	542.04
	0.00	0.00	0.00	0.00	21.10	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						91.48
1	0.00	0.00	0.00	0.00	0.13	91.35
2	0.00	0.00	0.00	0.00	0.09	91.26
3	0.00	0.00	0.00	0.00	0.09	91.17
4	0.00	0.00	0.00	0.00	0.13	91.04
5	0.00	0.00	0.00	0.00	0.13	90.91
6	0.00	0.00	0.00	0.00	0.13	90.78
7	0.00	0.00	0.00	0.00	0.13	90.65
8	0.00	0.00	0.00	0.00	0.13	90.52
9	0.00	0.00	0.00	0.00	0.08	90.44
10	0.00	0.00	0.00	0.00	0.16	90.28
11	0.00	0.00	0.00	0.00	0.12	90.16
12	0.00	0.00	0.00	0.00	0.12	90.04
13	0.00	0.00	0.00	0.00	0.12	89.92
14	0.00	0.00	0.00	0.00	0.14	89.78
15	0.00	0.00	0.00	0.00	0.14	89.64
16	0.00	0.00	0.00	0.00	0.14	89.50
17	0.00	0.00	0.00	0.00	0.13	89.37
18	0.00	0.00	0.00	0.00	0.13	89.24
19	0.00	0.00	0.00	89.11	0.13	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	283.25	0.00	283.25	0.00	0.00
28	0.00	442.21	0.00	442.21	0.00	0.00
29	0.00	43.40	0.00	43.40	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	768.86	0.00	857.97	2.37	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						302.05
1	0.00	0.00	0.00	0.00	0.43	301.62
2	0.00	0.00	0.00	0.00	0.31	301.31
3	0.00	0.00	0.00	0.00	0.30	301.01
4	0.00	0.00	0.00	0.00	0.42	300.59
5	0.00	0.00	0.00	0.00	0.42	300.17
6	0.00	0.00	0.00	0.00	0.42	299.75
7	0.00	0.00	0.00	0.00	0.42	299.33
8	0.00	0.00	0.00	0.00	0.42	298.91
9	0.00	0.00	0.00	0.00	0.28	298.63
10	0.00	0.00	0.00	0.00	0.51	298.12
11	0.00	0.00	0.00	0.00	0.40	297.72
12	0.00	0.00	0.00	0.00	0.40	297.32
13	0.00	0.00	0.00	0.00	0.40	296.92
14	0.00	0.00	0.00	0.00	0.47	296.45
15	0.00	0.00	0.00	0.00	0.46	295.99
16	0.00	0.00	0.00	0.00	0.47	295.52
17	0.00	0.00	0.00	0.00	0.42	295.10
18	0.00	0.00	0.00	0.00	0.42	294.68
19	0.00	0.00	0.00	0.00	0.42	294.26
20	0.00	0.00	0.00	0.00	0.42	293.84
21	0.00	0.00	0.00	0.00	0.31	293.53
22	0.00	0.00	0.00	0.00	0.42	293.11
23	0.00	0.00	0.00	0.00	0.46	292.65
24	0.00	0.00	0.00	0.00	0.58	292.07
25	0.00	0.00	0.00	0.00	0.31	291.76
26	0.00	0.00	0.00	0.00	0.31	291.45
27	0.00	0.00	0.00	0.00	0.32	291.13
28	0.00	0.00	0.00	0.00	0.28	290.85
29	0.00	0.00	0.00	0.00	0.05	290.80
30	0.00	0.00	0.00	0.00	0.09	290.71
	0.00	0.00	0.00	0.00	11.34	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.60	0.00	0.00	51.60	1.95	798.49
23	37.70	0.00	0.00	37.70	1.28	797.21
24	21.22	0.00	0.00	21.22	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.76	786.12
30	27.49	0.00	0.00	27.49	1.64	784.48
31	9.93	0.00	0.00	9.93	1.67	782.81
	1034.07	0.00	0.00	2788.14	45.06	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						832.75
1	0.00	0.00	0.00	0.00	1.02	831.73
2	0.00	0.00	0.00	0.00	0.23	831.50
3	0.00	0.00	0.00	0.00	0.23	831.27
4	0.00	0.00	0.00	0.00	0.23	831.04
5	0.00	0.00	0.00	0.00	0.20	830.84
6	0.00	0.00	0.00	0.00	0.71	830.13
7	0.00	0.00	0.00	0.00	0.44	829.69
8	0.00	0.00	0.00	0.00	2.23	827.46
9	0.00	0.00	0.00	0.00	1.47	825.99
10	0.00	0.00	0.00	0.00	1.49	824.50
11	0.00	0.00	0.00	0.00	1.53	822.97
12	0.00	0.00	0.00	0.00	0.98	821.99
13	0.00	0.00	0.00	0.00	1.77	820.22
14	0.00	0.00	0.00	0.00	1.42	818.80
15	0.00	0.00	0.00	0.00	0.89	817.91
16	0.00	0.00	0.00	0.00	1.52	816.39
17	0.00	0.00	0.00	0.00	1.54	814.85
18	0.00	0.00	0.00	0.00	1.63	813.22
19	0.00	0.00	0.00	0.00	1.31	811.91
20	0.00	0.00	0.00	0.00	1.89	810.02
21	0.00	0.00	0.00	0.00	1.92	808.10
22	0.00	0.00	0.00	0.00	1.95	806.15
23	0.00	0.00	0.00	0.00	1.28	804.87
24	0.00	0.00	0.00	0.00	1.34	803.53
25	0.00	0.00	0.00	0.00	1.30	802.23
26	0.00	0.00	0.00	0.00	1.04	801.19
27	0.00	0.00	0.00	0.00	2.53	798.66
28	0.00	0.00	0.00	0.00	2.12	796.54
29	0.00	0.00	0.00	0.00	2.76	793.78
30	0.00	0.00	0.00	0.00	1.64	792.14
31	0.00	0.00	0.00	0.00	1.67	790.47
	0.00	0.00	0.00	0.00	42.28	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.60	0.00	0.00	51.60	1.95	798.49
23	37.70	0.00	0.00	37.70	1.28	797.21
24	21.22	0.00	0.00	21.22	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.76	786.12
30	27.49	0.00	0.00	27.49	1.64	784.48
31	9.93	0.00	0.00	9.93	1.67	782.81
	1034.07	0.00	0.00	2788.14	45.06	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1756.85
1	35.31	0.00	0.00	575.22	2.15	1214.79
2	46.89	0.00	0.00	575.22	0.34	686.12
3	52.43	0.00	0.00	575.22	0.19	163.14
4	66.20	0.00	0.00	229.29	0.05	0.00
5	39.94	0.00	0.00	39.94	0.00	0.00
6	16.83	0.00	0.00	16.83	0.00	0.00
7	15.53	0.00	0.00	15.53	0.00	0.00
8	25.75	0.00	0.00	0.00	0.00	25.75
9	47.35	0.00	0.00	73.05	0.05	0.00
10	66.18	0.00	0.00	66.18	0.00	0.00
11	49.26	0.00	0.00	49.26	0.00	0.00
12	33.71	0.00	0.00	33.71	0.00	0.00
13	32.99	0.00	0.00	32.99	0.00	0.00
14	31.48	0.00	0.00	31.48	0.00	0.00
15	29.90	0.00	0.00	29.90	0.00	0.00
16	30.28	0.00	0.00	30.28	0.00	0.00
17	22.39	0.00	0.00	22.39	0.00	0.00
18	30.38	0.00	0.00	30.38	0.00	0.00
19	38.18	0.00	0.00	38.18	0.00	0.00
20	51.11	0.00	0.00	51.11	0.00	0.00
21	46.30	0.00	0.00	46.30	0.00	0.00
22	51.60	0.00	0.00	51.60	0.00	0.00
23	37.70	0.00	0.00	37.70	0.00	0.00
24	21.22	0.00	0.00	21.22	0.00	0.00
25	9.91	0.00	0.00	9.91	0.00	0.00
26	9.91	0.00	0.00	9.91	0.00	0.00
27	12.85	0.00	0.00	12.85	0.00	0.00
28	12.06	0.00	0.00	12.06	0.00	0.00
29	33.01	0.00	0.00	33.01	0.00	0.00
30	27.49	0.00	0.00	27.49	0.00	0.00
31	9.93	0.00	0.00	9.93	0.00	0.00
	1034.07	0.00	0.00	2788.14	2.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						542.04
1	0.00	0.00	0.00	0.00	0.66	541.38
2	0.00	0.00	0.00	0.00	0.15	541.23
3	0.00	0.00	0.00	0.00	0.15	541.08
4	0.00	0.00	0.00	0.00	0.15	540.93
5	0.00	0.00	0.00	0.00	0.13	540.80
6	0.00	0.00	0.00	0.00	0.46	540.34
7	0.00	0.00	0.00	0.00	0.29	540.05
8	0.00	0.00	0.00	0.00	1.45	538.60
9	0.00	0.00	0.00	0.00	0.96	537.64
10	0.00	0.00	0.00	0.00	0.97	536.67
11	0.00	0.00	0.00	0.00	1.00	535.67
12	0.00	0.00	0.00	0.00	0.64	535.03
13	0.00	0.00	0.00	0.00	1.15	533.88
14	0.00	0.00	0.00	0.00	0.92	532.96
15	0.00	0.00	0.00	0.00	0.58	532.38
16	0.00	0.00	0.00	0.00	0.99	531.39
17	0.00	0.00	0.00	0.00	1.00	530.39
18	0.00	0.00	0.00	0.00	1.06	529.33
19	0.00	0.00	0.00	0.00	0.85	528.48
20	0.00	0.00	0.00	0.00	1.23	527.25
21	0.00	0.00	0.00	0.00	1.25	526.00
22	0.00	0.00	0.00	0.00	1.27	524.73
23	0.00	0.00	0.00	0.00	0.83	523.90
24	0.00	0.00	0.00	0.00	0.87	523.03
25	0.00	0.00	0.00	0.00	0.85	522.18
26	0.00	0.00	0.00	0.00	0.68	521.50
27	0.00	0.00	0.00	0.00	1.65	519.85
28	0.00	0.00	0.00	0.00	1.38	518.47
29	0.00	0.00	0.00	0.00	1.80	516.67
30	0.00	0.00	0.00	0.00	1.07	515.60
31	0.00	0.00	0.00	0.00	1.09	514.51
	0.00	0.00	0.00	0.00	27.53	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						290.71
1	0.00	0.00	0.00	0.00	0.36	290.35
2	0.00	0.00	0.00	0.00	0.08	290.27
3	0.00	0.00	0.00	0.00	0.08	290.19
4	0.00	0.00	0.00	0.00	0.08	290.11
5	0.00	0.00	0.00	0.00	0.07	290.04
6	0.00	0.00	0.00	0.00	0.25	289.79
7	0.00	0.00	0.00	0.00	0.15	289.64
8	0.00	0.00	0.00	0.00	0.78	288.86
9	0.00	0.00	0.00	0.00	0.51	288.35
10	0.00	0.00	0.00	0.00	0.52	287.83
11	0.00	0.00	0.00	0.00	0.53	287.30
12	0.00	0.00	0.00	0.00	0.34	286.96
13	0.00	0.00	0.00	0.00	0.62	286.34
14	0.00	0.00	0.00	0.00	0.50	285.84
15	0.00	0.00	0.00	0.00	0.31	285.53
16	0.00	0.00	0.00	0.00	0.53	285.00
17	0.00	0.00	0.00	0.00	0.54	284.46
18	0.00	0.00	0.00	0.00	0.57	283.89
19	0.00	0.00	0.00	0.00	0.46	283.43
20	0.00	0.00	0.00	0.00	0.66	282.77
21	0.00	0.00	0.00	0.00	0.67	282.10
22	0.00	0.00	0.00	0.00	0.68	281.42
23	0.00	0.00	0.00	0.00	0.45	280.97
24	0.00	0.00	0.00	0.00	0.47	280.50
25	0.00	0.00	0.00	0.00	0.45	280.05
26	0.00	0.00	0.00	0.00	0.36	279.69
27	0.00	0.00	0.00	0.00	0.88	278.81
28	0.00	0.00	0.00	0.00	0.74	278.07
29	0.00	0.00	0.00	0.00	0.96	277.11
30	0.00	0.00	0.00	0.00	0.57	276.54
31	0.00	0.00	0.00	0.00	0.58	275.96
	0.00	0.00	0.00	0.00	14.75	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.81
1	35.11	0.00	0.00	35.11	1.71	781.10
2	63.96	0.00	0.00	63.96	2.84	778.26
3	42.27	0.00	0.00	42.27	0.86	777.40
4	32.52	0.00	0.00	32.52	1.06	776.34
5	52.92	0.00	0.00	52.92	1.01	775.33
6	78.25	0.00	0.00	78.25	2.10	773.23
7	63.11	0.00	0.00	56.54	2.20	777.60
8	43.36	0.00	0.00	0.00	2.26	818.70
9	36.92	0.00	0.00	0.00	3.04	852.58
10	52.23	0.00	0.00	0.00	2.39	902.42
11	57.93	0.00	0.00	0.00	2.43	957.92
12	44.88	0.00	0.00	0.00	2.74	1000.06
13	46.69	0.00	0.00	0.00	2.60	1044.15
14	53.71	0.00	0.00	0.00	2.71	1095.15
15	42.09	0.00	0.00	0.00	2.90	1134.34
16	37.32	0.00	0.00	0.00	2.70	1168.96
17	36.70	0.00	0.00	0.00	1.16	1204.50
18	36.40	0.00	0.00	0.00	4.49	1236.41
19	36.61	0.00	0.00	0.00	3.97	1269.05
20	36.84	0.00	0.00	0.00	3.75	1302.14
21	36.82	0.00	0.00	0.00	3.85	1335.11
22	34.40	0.00	0.00	0.00	3.86	1365.65
23	42.09	0.00	0.00	0.00	4.43	1403.31
24	25.67	0.00	0.00	0.00	4.83	1424.15
25	21.08	0.00	0.00	0.00	3.67	1441.56
26	26.74	0.00	0.00	0.00	5.21	1463.09
27	20.86	0.00	0.00	0.00	3.91	1480.04
28	19.94	0.00	0.00	0.00	3.96	1496.02
29	13.37	0.00	0.00	0.00	4.14	1505.25
30	9.37	0.00	0.00	0.00	4.32	1510.30
31	9.37	0.00	0.00	0.00	5.00	1514.67
	1189.53	0.00	0.00	361.57	96.10	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						790.47
1	0.00	0.00	0.00	0.00	1.71	788.76
2	0.00	0.00	0.00	0.00	2.84	785.92
3	0.00	0.00	0.00	0.00	0.86	785.06
4	0.00	0.00	0.00	0.00	1.06	784.00
5	0.00	0.00	0.00	0.00	1.01	782.99
6	0.00	0.00	0.00	0.00	2.10	780.89
7	0.00	0.00	0.00	0.00	2.20	778.69
8	0.00	0.00	0.00	0.00	2.24	776.45
9	0.00	0.00	0.00	0.00	2.86	773.59
10	0.00	0.00	0.00	0.00	2.15	771.44
11	0.00	0.00	0.00	0.00	2.06	769.38
12	0.00	0.00	0.00	0.00	2.18	767.20
13	0.00	0.00	0.00	0.00	1.98	765.22
14	0.00	0.00	0.00	0.00	1.97	763.25
15	0.00	0.00	0.00	0.00	2.01	761.24
16	0.00	0.00	0.00	0.00	1.80	759.44
17	0.00	0.00	0.00	0.00	0.75	758.69
18	0.00	0.00	0.00	0.00	2.81	755.88
19	0.00	0.00	0.00	0.00	2.41	753.47
20	0.00	0.00	0.00	0.00	2.21	751.26
21	0.00	0.00	0.00	0.00	2.21	749.05
22	0.00	0.00	0.00	0.00	2.15	746.90
23	0.00	0.00	0.00	0.00	2.41	744.49
24	0.00	0.00	0.00	0.00	2.55	741.94
25	0.00	0.00	0.00	0.00	1.90	740.04
26	0.00	0.00	0.00	0.00	2.66	737.38
27	0.00	0.00	0.00	0.00	1.96	735.42
28	0.00	0.00	0.00	0.00	1.96	733.46
29	0.00	0.00	0.00	0.00	2.02	731.44
30	0.00	0.00	0.00	0.00	2.09	729.35
31	0.00	0.00	0.00	0.00	2.40	726.95
	0.00	0.00	0.00	0.00	63.52	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.81
1	35.11	0.00	0.00	35.11	1.71	781.10
2	63.96	0.00	0.00	63.96	2.84	778.26
3	42.27	0.00	0.00	42.27	0.86	777.40
4	32.52	0.00	0.00	32.52	1.06	776.34
5	52.92	0.00	0.00	52.92	1.01	775.33
6	78.25	0.00	0.00	78.25	2.10	773.23
7	63.11	0.00	0.00	56.54	2.20	777.60
8	43.36	0.00	0.00	0.00	2.26	818.70
9	36.92	0.00	0.00	0.00	3.04	852.58
10	52.23	0.00	0.00	0.00	2.39	902.42
11	57.93	0.00	0.00	0.00	2.43	957.92
12	44.88	0.00	0.00	0.00	2.74	1000.06
13	46.69	0.00	0.00	0.00	2.60	1044.15
14	53.71	0.00	0.00	0.00	2.71	1095.15
15	42.09	0.00	0.00	0.00	2.90	1134.34
16	37.32	0.00	0.00	0.00	2.70	1168.96
17	36.70	0.00	0.00	0.00	1.16	1204.50
18	36.40	0.00	0.00	0.00	4.49	1236.41
19	36.61	0.00	0.00	0.00	3.97	1269.05
20	36.84	0.00	0.00	0.00	3.75	1302.14
21	36.82	0.00	0.00	0.00	3.85	1335.11
22	34.40	0.00	0.00	0.00	3.86	1365.65
23	42.09	0.00	0.00	0.00	4.43	1403.31
24	25.67	0.00	0.00	0.00	4.83	1424.15
25	21.08	0.00	0.00	0.00	3.67	1441.56
26	26.74	0.00	0.00	0.00	5.21	1463.09
27	20.86	0.00	0.00	0.00	3.91	1480.04
28	19.94	0.00	0.00	0.00	3.96	1496.02
29	13.37	0.00	0.00	0.00	4.14	1505.25
30	9.37	0.00	0.00	0.00	4.32	1510.30
31	9.37	0.00	0.00	0.00	5.00	1514.67
	1189.53	0.00	0.00	361.57	96.10	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	35.11	0.00	0.00	35.11	0.00	0.00
2	63.96	0.00	0.00	63.96	0.00	0.00
3	42.27	0.00	0.00	42.27	0.00	0.00
4	32.52	0.00	0.00	32.52	0.00	0.00
5	52.92	0.00	0.00	52.92	0.00	0.00
6	78.25	0.00	0.00	78.25	0.00	0.00
7	63.11	0.00	0.00	56.54	0.00	6.57
8	43.36	0.00	0.00	0.00	0.02	49.91
9	36.92	0.00	0.00	0.00	0.18	86.65
10	52.23	0.00	0.00	0.00	0.24	138.64
11	57.93	0.00	0.00	0.00	0.37	196.20
12	44.88	0.00	0.00	0.00	0.56	240.52
13	46.69	0.00	0.00	0.00	0.62	286.59
14	53.71	0.00	0.00	0.00	0.74	339.56
15	42.09	0.00	0.00	0.00	0.89	380.76
16	37.32	0.00	0.00	0.00	0.90	417.18
17	36.70	0.00	0.00	0.00	0.41	453.47
18	36.40	0.00	0.00	0.00	1.68	488.19
19	36.61	0.00	0.00	0.00	1.56	523.24
20	36.84	0.00	0.00	0.00	1.54	558.54
21	36.82	0.00	0.00	0.00	1.64	593.72
22	34.40	0.00	0.00	0.00	1.71	626.41
23	42.09	0.00	0.00	0.00	2.02	666.48
24	25.67	0.00	0.00	0.00	2.28	689.87
25	21.08	0.00	0.00	0.00	1.77	709.18
26	26.74	0.00	0.00	0.00	2.55	733.37
27	20.86	0.00	0.00	0.00	1.95	752.28
28	19.94	0.00	0.00	0.00	2.00	770.22
29	13.37	0.00	0.00	0.00	2.12	781.47
30	9.37	0.00	0.00	0.00	2.23	788.61
31	9.37	0.00	0.00	0.00	2.60	795.38
	1189.53	0.00	0.00	361.57	32.58	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						514.51
1	0.00	0.00	0.00	0.00	1.11	513.40
2	0.00	0.00	0.00	0.00	1.85	511.55
3	0.00	0.00	0.00	0.00	0.56	510.99
4	0.00	0.00	0.00	0.00	0.69	510.30
5	0.00	0.00	0.00	0.00	0.66	509.64
6	0.00	0.00	0.00	0.00	1.37	508.27
7	0.00	0.00	0.00	0.00	1.43	506.84
8	0.00	0.00	0.00	0.00	1.46	505.38
9	0.00	0.00	0.00	0.00	1.86	503.52
10	0.00	0.00	0.00	0.00	1.40	502.12
11	0.00	0.00	0.00	0.00	1.34	500.78
12	0.00	0.00	0.00	0.00	1.42	499.36
13	0.00	0.00	0.00	0.00	1.29	498.07
14	0.00	0.00	0.00	0.00	1.28	496.79
15	0.00	0.00	0.00	0.00	1.31	495.48
16	0.00	0.00	0.00	0.00	1.17	494.31
17	0.00	0.00	0.00	0.00	0.49	493.82
18	0.00	0.00	0.00	0.00	1.83	491.99
19	0.00	0.00	0.00	0.00	1.57	490.42
20	0.00	0.00	0.00	0.00	1.44	488.98
21	0.00	0.00	0.00	0.00	1.44	487.54
22	0.00	0.00	0.00	0.00	1.40	486.14
23	0.00	0.00	0.00	0.00	1.57	484.57
24	0.00	0.00	0.00	0.00	1.66	482.91
25	0.00	0.00	0.00	0.00	1.24	481.67
26	0.00	0.00	0.00	0.00	1.73	479.94
27	0.00	0.00	0.00	0.00	1.28	478.66
28	0.00	0.00	0.00	0.00	1.28	477.38
29	0.00	0.00	0.00	0.00	1.31	476.07
30	0.00	0.00	0.00	0.00	1.36	474.71
31	0.00	0.00	0.00	0.00	1.56	473.15
	0.00	0.00	0.00	0.00	41.36	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						275.96
1	0.00	0.00	0.00	0.00	0.60	275.36
2	0.00	0.00	0.00	0.00	0.99	274.37
3	0.00	0.00	0.00	0.00	0.30	274.07
4	0.00	0.00	0.00	0.00	0.37	273.70
5	0.00	0.00	0.00	0.00	0.35	273.35
6	0.00	0.00	0.00	0.00	0.73	272.62
7	0.00	0.00	0.00	0.00	0.77	271.85
8	0.00	0.00	0.00	0.00	0.78	271.07
9	0.00	0.00	0.00	0.00	1.00	270.07
10	0.00	0.00	0.00	0.00	0.75	269.32
11	0.00	0.00	0.00	0.00	0.72	268.60
12	0.00	0.00	0.00	0.00	0.76	267.84
13	0.00	0.00	0.00	0.00	0.69	267.15
14	0.00	0.00	0.00	0.00	0.69	266.46
15	0.00	0.00	0.00	0.00	0.70	265.76
16	0.00	0.00	0.00	0.00	0.63	265.13
17	0.00	0.00	0.00	0.00	0.26	264.87
18	0.00	0.00	0.00	0.00	0.98	263.89
19	0.00	0.00	0.00	0.00	0.84	263.05
20	0.00	0.00	0.00	0.00	0.77	262.28
21	0.00	0.00	0.00	0.00	0.77	261.51
22	0.00	0.00	0.00	0.00	0.75	260.76
23	0.00	0.00	0.00	0.00	0.84	259.92
24	0.00	0.00	0.00	0.00	0.89	259.03
25	0.00	0.00	0.00	0.00	0.66	258.37
26	0.00	0.00	0.00	0.00	0.93	257.44
27	0.00	0.00	0.00	0.00	0.68	256.76
28	0.00	0.00	0.00	0.00	0.68	256.08
29	0.00	0.00	0.00	0.00	0.71	255.37
30	0.00	0.00	0.00	0.00	0.73	254.64
31	0.00	0.00	0.00	0.00	0.84	253.80
	0.00	0.00	0.00	0.00	22.16	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1514.67
1	8.71	0.00	0.00	0.00	5.70	1517.68
2	8.71	0.00	0.00	0.00	4.00	1522.39
3	8.71	0.00	0.00	0.00	3.16	1527.94
4	9.84	0.00	0.00	0.00	3.18	1534.60
5	11.92	0.00	0.00	0.00	3.22	1543.30
6	12.09	0.00	0.00	0.00	3.24	1552.15
7	9.57	0.00	0.00	0.00	5.31	1556.41
8	9.01	0.00	0.00	0.00	3.07	1562.35
9	8.92	0.00	0.00	0.00	3.53	1567.74
10	8.83	0.00	0.00	0.00	1.84	1574.73
11	8.82	0.00	0.00	0.00	1.85	1581.70
12	8.81	0.00	0.00	0.00	1.86	1588.65
13	8.76	0.00	0.00	0.00	3.15	1594.26
14	8.74	0.00	0.00	0.00	4.21	1598.79
15	14.19	0.00	0.00	0.00	3.99	1608.99
16	8.84	0.00	0.00	0.00	4.40	1613.43
17	39.32	0.00	0.00	0.00	4.55	1648.20
18	38.80	0.00	0.00	0.00	4.66	1682.34
19	38.43	0.00	0.00	0.00	4.75	1716.02
20	37.66	0.00	0.00	0.00	3.82	1749.86
21	31.33	0.00	0.00	0.00	3.53	1777.66
22	21.50	0.00	0.00	0.00	3.29	1795.87
23	19.15	0.00	0.00	0.00	3.98	1811.04
24	17.34	0.00	0.00	0.00	4.56	1823.82
25	15.85	0.00	0.00	0.00	4.59	1835.08
26	15.98	0.00	0.00	0.00	4.62	1846.44
27	12.23	216.67	0.00	0.00	5.34	2070.00
28	2.26	0.00	0.00	0.00	6.33	2065.93
29	1.32	0.00	0.00	0.00	4.20	2063.05
30	1.10	0.00	0.00	0.00	2.65	2061.50
	446.74	216.67	0.00	0.00	116.58	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						726.95
1	0.00	0.00	0.00	0.00	2.72	724.23
2	0.00	0.00	0.00	0.00	1.90	722.33
3	0.00	0.00	0.00	0.00	1.49	720.84
4	0.00	0.00	0.00	0.00	1.49	719.35
5	0.00	0.00	0.00	0.00	1.50	717.85
6	0.00	0.00	0.00	0.00	1.50	716.35
7	0.00	0.00	0.00	0.00	2.44	713.91
8	0.00	0.00	0.00	0.00	1.40	712.51
9	0.00	0.00	0.00	0.00	1.60	710.91
10	0.00	0.00	0.00	0.00	0.83	710.08
11	0.00	0.00	0.00	0.00	0.83	709.25
12	0.00	0.00	0.00	0.00	0.83	708.42
13	0.00	0.00	0.00	0.00	1.40	707.02
14	0.00	0.00	0.00	0.00	1.86	705.16
15	0.00	0.00	0.00	0.00	1.75	703.41
16	0.00	0.00	0.00	0.00	1.92	701.49
17	0.00	0.00	0.00	0.00	1.97	699.52
18	0.00	0.00	0.00	0.00	1.97	697.55
19	0.00	0.00	0.00	0.00	1.96	695.59
20	0.00	0.00	0.00	0.00	1.54	694.05
21	0.00	0.00	0.00	0.00	1.40	692.65
22	0.00	0.00	0.00	0.00	1.28	691.37
23	0.00	0.00	0.00	0.00	1.52	689.85
24	0.00	0.00	0.00	0.00	1.73	688.12
25	0.00	0.00	0.00	0.00	1.72	686.40
26	0.00	0.00	0.00	0.00	1.72	684.68
27	0.00	0.00	0.00	0.00	1.97	682.71
28	0.00	0.00	0.00	0.00	2.08	680.63
29	0.00	0.00	0.00	0.00	1.38	679.25
30	0.00	0.00	0.00	0.00	0.87	678.38
	0.00	0.00	0.00	0.00	48.57	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1514.67
1	8.71	0.00	0.00	0.00	5.70	1517.68
2	8.71	0.00	0.00	0.00	4.00	1522.39
3	8.71	0.00	0.00	0.00	3.16	1527.94
4	9.84	0.00	0.00	0.00	3.18	1534.60
5	11.92	0.00	0.00	0.00	3.22	1543.30
6	12.09	0.00	0.00	0.00	3.24	1552.15
7	9.57	0.00	0.00	0.00	5.31	1556.41
8	9.01	0.00	0.00	0.00	3.07	1562.35
9	8.92	0.00	0.00	0.00	3.53	1567.74
10	8.83	0.00	0.00	0.00	1.84	1574.73
11	8.82	0.00	0.00	0.00	1.85	1581.70
12	8.81	0.00	0.00	0.00	1.86	1588.65
13	8.76	0.00	0.00	0.00	3.15	1594.26
14	8.74	0.00	0.00	0.00	4.21	1598.79
15	14.19	0.00	0.00	0.00	3.99	1608.99
16	8.84	0.00	0.00	0.00	4.40	1613.43
17	39.32	0.00	0.00	0.00	4.55	1648.20
18	38.80	0.00	0.00	0.00	4.66	1682.34
19	38.43	0.00	0.00	0.00	4.75	1716.02
20	37.66	0.00	0.00	0.00	3.82	1749.86
21	31.33	0.00	0.00	0.00	3.53	1777.66
22	21.50	0.00	0.00	0.00	3.29	1795.87
23	19.15	0.00	0.00	0.00	3.98	1811.04
24	17.34	0.00	0.00	0.00	4.56	1823.82
25	15.85	0.00	0.00	0.00	4.59	1835.08
26	15.98	0.00	0.00	0.00	4.62	1846.44
27	12.23	0.00	0.00	0.00	5.34	1853.33
28	2.26	0.00	0.00	0.00	5.67	1849.92
29	1.32	0.00	0.00	0.00	3.76	1847.48
30	1.10	0.00	0.00	0.00	2.38	1846.20
	446.74	0.00	0.00	0.00	115.21	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						795.38
1	8.71	0.00	0.00	0.00	2.98	801.11
2	8.71	0.00	0.00	0.00	2.10	807.72
3	8.71	0.00	0.00	0.00	1.67	814.76
4	9.84	0.00	0.00	0.00	1.69	822.91
5	11.92	0.00	0.00	0.00	1.72	833.11
6	12.09	0.00	0.00	0.00	1.74	843.46
7	9.57	0.00	0.00	0.00	2.87	850.16
8	9.01	0.00	0.00	0.00	1.67	857.50
9	8.92	0.00	0.00	0.00	1.93	864.49
10	8.83	0.00	0.00	0.00	1.01	872.31
11	8.82	0.00	0.00	0.00	1.02	880.11
12	8.81	0.00	0.00	0.00	1.03	887.89
13	8.76	0.00	0.00	0.00	1.75	894.90
14	8.74	0.00	0.00	0.00	2.35	901.29
15	14.19	0.00	0.00	0.00	2.24	913.24
16	8.84	0.00	0.00	0.00	2.48	919.60
17	39.32	0.00	0.00	0.00	2.58	956.34
18	38.80	0.00	0.00	0.00	2.69	992.45
19	38.43	0.00	0.00	0.00	2.79	1028.09
20	37.66	0.00	0.00	0.00	2.28	1063.47
21	31.33	0.00	0.00	0.00	2.13	1092.67
22	21.50	0.00	0.00	0.00	2.01	1112.16
23	19.15	0.00	0.00	0.00	2.46	1128.85
24	17.34	0.00	0.00	0.00	2.83	1143.36
25	15.85	0.00	0.00	0.00	2.87	1156.34
26	15.98	0.00	0.00	0.00	2.90	1169.42
27	12.23	0.00	0.00	0.00	3.37	1178.28
28	2.26	0.00	0.00	0.00	3.59	1176.95
29	1.32	0.00	0.00	0.00	2.38	1175.89
30	1.10	0.00	0.00	0.00	1.51	1175.48
	446.74	0.00	0.00	0.00	66.64	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow
Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	216.67	0.00	0.00	0.00	216.67
28	0.00	0.00	0.00	0.00	0.66	216.01
29	0.00	0.00	0.00	0.00	0.44	215.57
30	0.00	0.00	0.00	0.00	0.27	215.30
	0.00	216.67	0.00	0.00	1.37	

OffsetAccount-ReturnFlow
RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	18.39	0.00	0.00	0.00	18.39
28	0.00	0.00	0.00	0.00	0.06	18.33
29	0.00	0.00	0.00	0.00	0.04	18.29
30	0.00	0.00	0.00	0.00	0.02	18.27
	0.00	18.39	0.00	0.00	0.12	

OffsetAccount-Consumable
Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						473.15
1	0.00	0.00	0.00	0.00	1.77	471.38
2	0.00	0.00	0.00	0.00	1.24	470.14
3	0.00	0.00	0.00	0.00	0.97	469.17
4	0.00	0.00	0.00	0.00	0.97	468.20
5	0.00	0.00	0.00	0.00	0.98	467.22
6	0.00	0.00	0.00	0.00	0.98	466.24
7	0.00	0.00	0.00	0.00	1.59	464.65
8	0.00	0.00	0.00	0.00	0.91	463.74
9	0.00	0.00	0.00	0.00	1.04	462.70
10	0.00	0.00	0.00	0.00	0.54	462.16
11	0.00	0.00	0.00	0.00	0.54	461.62
12	0.00	0.00	0.00	0.00	0.54	461.08
13	0.00	0.00	0.00	0.00	0.91	460.17
14	0.00	0.00	0.00	0.00	1.21	458.96
15	0.00	0.00	0.00	0.00	1.14	457.82
16	0.00	0.00	0.00	0.00	1.25	456.57
17	0.00	0.00	0.00	0.00	1.28	455.29
18	0.00	0.00	0.00	0.00	1.28	454.01
19	0.00	0.00	0.00	0.00	1.28	452.73
20	0.00	0.00	0.00	0.00	1.00	451.73
21	0.00	0.00	0.00	0.00	0.91	450.82
22	0.00	0.00	0.00	0.00	0.83	449.99
23	0.00	0.00	0.00	0.00	0.99	449.00
24	0.00	0.00	0.00	0.00	1.13	447.87
25	0.00	0.00	0.00	0.00	1.12	446.75
26	0.00	0.00	0.00	0.00	1.12	445.63
27	0.00	0.00	0.00	0.00	1.28	444.35
28	0.00	0.00	0.00	0.00	1.35	443.00
29	0.00	0.00	0.00	0.00	0.90	442.10
30	0.00	0.00	0.00	0.00	0.57	441.53
	0.00	0.00	0.00	0.00	31.62	

OffsetAccount-ReturnFlow
Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	198.28	0.00	0.00	0.00	198.28
28	0.00	0.00	0.00	0.00	0.60	197.68
29	0.00	0.00	0.00	0.00	0.40	197.28
30	0.00	0.00	0.00	0.00	0.25	197.03
	0.00	198.28	0.00	0.00	1.25	

OffsetAccount-Consumable
Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						253.80
1	0.00	0.00	0.00	0.00	0.95	252.85
2	0.00	0.00	0.00	0.00	0.66	252.19
3	0.00	0.00	0.00	0.00	0.52	251.67
4	0.00	0.00	0.00	0.00	0.52	251.15
5	0.00	0.00	0.00	0.00	0.52	250.63
6	0.00	0.00	0.00	0.00	0.52	250.11
7	0.00	0.00	0.00	0.00	0.85	249.26
8	0.00	0.00	0.00	0.00	0.49	248.77
9	0.00	0.00	0.00	0.00	0.56	248.21
10	0.00	0.00	0.00	0.00	0.29	247.92
11	0.00	0.00	0.00	0.00	0.29	247.63
12	0.00	0.00	0.00	0.00	0.29	247.34
13	0.00	0.00	0.00	0.00	0.49	246.85
14	0.00	0.00	0.00	0.00	0.65	246.20
15	0.00	0.00	0.00	0.00	0.61	245.59
16	0.00	0.00	0.00	0.00	0.67	244.92
17	0.00	0.00	0.00	0.00	0.69	244.23
18	0.00	0.00	0.00	0.00	0.69	243.54
19	0.00	0.00	0.00	0.00	0.68	242.86
20	0.00	0.00	0.00	0.00	0.54	242.32
21	0.00	0.00	0.00	0.00	0.49	241.83
22	0.00	0.00	0.00	0.00	0.45	241.38
23	0.00	0.00	0.00	0.00	0.53	240.85
24	0.00	0.00	0.00	0.00	0.60	240.25
25	0.00	0.00	0.00	0.00	0.60	239.65
26	0.00	0.00	0.00	0.00	0.60	239.05
27	0.00	0.00	0.00	0.00	0.69	238.36
28	0.00	0.00	0.00	0.00	0.73	237.63
29	0.00	0.00	0.00	0.00	0.48	237.15
30	0.00	0.00	0.00	0.00	0.30	236.85
	0.00	0.00	0.00	0.00	16.95	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2061.50
1	8.55	0.00	0.00	0.00	2.20	2067.85
2	7.97	0.00	0.00	0.00	2.22	2073.60
3	8.29	0.00	0.00	0.00	2.09	2079.80
4	8.33	0.00	0.00	0.00	6.46	2081.67
5	8.34	0.00	0.00	0.00	2.76	2087.25
6	8.87	0.00	0.00	0.00	4.73	2091.39
7	8.48	0.00	0.00	0.00	3.29	2096.58
8	9.82	0.00	0.00	0.00	4.64	2101.76
9	11.15	0.00	0.00	0.00	4.65	2108.26
10	12.38	0.00	0.00	0.00	4.50	2116.14
11	11.92	0.00	0.00	0.00	4.51	2123.55
12	11.52	0.00	0.00	0.00	5.88	2129.19
13	13.54	0.00	0.00	0.00	3.72	2139.01
14	19.24	0.00	0.00	0.00	2.87	2155.38
15	21.72	0.00	0.00	0.00	3.26	2173.84
16	19.28	0.00	0.00	0.00	3.10	2190.02
17	13.44	0.00	0.00	0.00	2.80	2200.66
18	13.17	0.00	0.00	0.00	3.08	2210.75
19	16.32	0.00	0.00	0.00	2.51	2224.56
20	11.61	0.00	0.00	0.00	5.12	2231.05
21	3.65	0.00	0.00	0.00	3.54	2231.16
22	1.87	0.00	0.00	0.00	1.41	2231.62
23	5.57	0.00	0.00	0.00	1.41	2235.78
24	6.73	0.00	0.00	0.00	1.26	2241.25
25	6.60	0.00	0.00	0.00	3.56	2244.29
26	6.54	0.00	0.00	0.00	7.52	2243.31
27	6.35	0.00	0.00	0.00	5.21	2244.45
28	6.25	0.00	0.00	0.00	2.70	2248.00
29	5.96	0.00	0.00	0.00	3.06	2250.90
30	6.03	0.00	0.00	0.00	3.07	2253.86
31	6.54	0.00	0.00	0.00	3.26	2257.14
	306.03	0.00	0.00	0.00	110.39	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						678.38
1	0.00	0.00	0.00	0.00	0.72	677.66
2	0.00	0.00	0.00	0.00	0.72	676.94
3	0.00	0.00	0.00	0.00	0.68	676.26
4	0.00	0.00	0.00	0.00	2.09	674.17
5	0.00	0.00	0.00	0.00	0.89	673.28
6	0.00	0.00	0.00	0.00	1.52	671.76
7	0.00	0.00	0.00	0.00	1.05	670.71
8	0.00	0.00	0.00	0.00	1.48	669.23
9	0.00	0.00	0.00	0.00	1.47	667.76
10	0.00	0.00	0.00	0.00	1.42	666.34
11	0.00	0.00	0.00	0.00	1.41	664.93
12	0.00	0.00	0.00	0.00	1.83	663.10
13	0.00	0.00	0.00	0.00	1.15	661.95
14	0.00	0.00	0.00	0.00	0.89	661.06
15	0.00	0.00	0.00	0.00	1.00	660.06
16	0.00	0.00	0.00	0.00	0.94	659.12
17	0.00	0.00	0.00	0.00	0.84	658.28
18	0.00	0.00	0.00	0.00	0.92	657.36
19	0.00	0.00	0.00	0.00	0.74	656.62
20	0.00	0.00	0.00	0.00	1.51	655.11
21	0.00	0.00	0.00	0.00	1.03	654.08
22	0.00	0.00	0.00	0.00	0.41	653.67
23	0.00	0.00	0.00	0.00	0.41	653.26
24	0.00	0.00	0.00	0.00	0.37	652.89
25	0.00	0.00	0.00	0.00	1.03	651.86
26	0.00	0.00	0.00	0.00	2.18	649.68
27	0.00	0.00	0.00	0.00	1.50	648.18
28	0.00	0.00	0.00	0.00	0.78	647.40
29	0.00	0.00	0.00	0.00	0.88	646.52
30	0.00	0.00	0.00	0.00	0.88	645.64
31	0.00	0.00	0.00	0.00	0.93	644.71
	0.00	0.00	0.00	0.00	33.67	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1846.20
1	8.55	0.00	0.00	0.00	1.97	1852.78
2	7.97	0.00	0.00	0.00	1.99	1858.76
3	8.29	0.00	0.00	0.00	1.87	1865.18
4	8.33	0.00	0.00	0.00	5.79	1867.72
5	8.34	0.00	0.00	0.00	2.48	1873.58
6	8.87	0.00	0.00	0.00	4.25	1878.20
7	8.48	0.00	0.00	0.00	2.95	1883.73
8	9.82	0.00	0.00	0.00	4.17	1889.38
9	11.15	0.00	0.00	0.00	4.18	1896.35
10	12.38	0.00	0.00	0.00	4.05	1904.68
11	11.92	0.00	0.00	0.00	4.06	1912.54
12	11.52	0.00	0.00	0.00	5.30	1918.76
13	13.54	0.00	0.00	0.00	3.35	1928.95
14	19.24	0.00	0.00	0.00	2.59	1945.60
15	21.72	0.00	0.00	0.00	2.94	1964.38
16	19.28	0.00	0.00	0.00	2.80	1980.86
17	13.44	0.00	0.00	0.00	2.54	1991.76
18	13.17	0.00	0.00	0.00	2.79	2002.14
19	16.32	0.00	0.00	0.00	2.27	2016.19
20	11.61	0.00	0.00	0.00	4.64	2023.16
21	3.65	0.00	0.00	0.00	3.21	2023.60
22	1.87	0.00	0.00	0.00	1.28	2024.19
23	5.57	0.00	0.00	0.00	1.28	2028.48
24	6.73	0.00	0.00	0.00	1.14	2034.07
25	6.60	0.00	0.00	0.00	3.23	2037.44
26	6.54	0.00	0.00	0.00	6.83	2037.15
27	6.35	0.00	0.00	0.00	4.73	2038.77
28	6.25	0.00	0.00	0.00	2.45	2042.57
29	5.96	0.00	0.00	0.00	2.78	2045.75
30	6.03	0.00	0.00	0.00	2.79	2048.99
31	6.54	0.00	0.00	0.00	2.96	2052.57
	306.03	0.00	0.00	0.00	99.66	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1175.48
1	8.55	0.00	0.00	0.00	1.25	1182.78
2	7.97	0.00	0.00	0.00	1.27	1189.48
3	8.29	0.00	0.00	0.00	1.19	1196.58
4	8.33	0.00	0.00	0.00	3.70	1201.21
5	8.34	0.00	0.00	0.00	1.59	1207.96
6	8.87	0.00	0.00	0.00	2.73	1214.10
7	8.48	0.00	0.00	0.00	1.90	1220.68
8	9.82	0.00	0.00	0.00	2.69	1227.81
9	11.15	0.00	0.00	0.00	2.71	1236.25
10	12.38	0.00	0.00	0.00	2.63	1246.00
11	11.92	0.00	0.00	0.00	2.65	1255.27
12	11.52	0.00	0.00	0.00	3.47	1263.32
13	13.54	0.00	0.00	0.00	2.20	1274.66
14	19.24	0.00	0.00	0.00	1.70	1292.20
15	21.72	0.00	0.00	0.00	1.94	1311.98
16	19.28	0.00	0.00	0.00	1.86	1329.40
17	13.44	0.00	0.00	0.00	1.70	1341.14
18	13.17	0.00	0.00	0.00	1.87	1352.44
19	16.32	0.00	0.00	0.00	1.53	1367.23
20	11.61	0.00	0.00	0.00	3.13	1375.71
21	3.65	0.00	0.00	0.00	2.18	1377.18
22	1.87	0.00	0.00	0.00	0.87	1378.18
23	5.57	0.00	0.00	0.00	0.87	1382.88
24	6.73	0.00	0.00	0.00	0.77	1388.84
25	6.60	0.00	0.00	0.00	2.20	1393.24
26	6.54	0.00	0.00	0.00	4.65	1395.13
27	6.35	0.00	0.00	0.00	3.23	1398.25
28	6.25	0.00	0.00	0.00	1.67	1402.83
29	5.96	0.00	0.00	0.00	1.90	1406.89
30	6.03	0.00	0.00	0.00	1.91	1411.01
31	6.54	0.00	0.00	0.00	2.03	1415.52
	306.03	0.00	0.00	0.00	65.99	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						215.30
1	0.00	0.00	0.00	0.00	0.23	215.07
2	0.00	0.00	0.00	0.00	0.23	214.84
3	0.00	0.00	0.00	0.00	0.22	214.62
4	0.00	0.00	0.00	0.00	0.67	213.95
5	0.00	0.00	0.00	0.00	0.28	213.67
6	0.00	0.00	0.00	0.00	0.48	213.19
7	0.00	0.00	0.00	0.00	0.34	212.85
8	0.00	0.00	0.00	0.00	0.47	212.38
9	0.00	0.00	0.00	0.00	0.47	211.91
10	0.00	0.00	0.00	0.00	0.45	211.46
11	0.00	0.00	0.00	0.00	0.45	211.01
12	0.00	0.00	0.00	0.00	0.58	210.43
13	0.00	0.00	0.00	0.00	0.37	210.06
14	0.00	0.00	0.00	0.00	0.28	209.78
15	0.00	0.00	0.00	0.00	0.32	209.46
16	0.00	0.00	0.00	0.00	0.30	209.16
17	0.00	0.00	0.00	0.00	0.26	208.90
18	0.00	0.00	0.00	0.00	0.29	208.61
19	0.00	0.00	0.00	0.00	0.24	208.37
20	0.00	0.00	0.00	0.00	0.48	207.89
21	0.00	0.00	0.00	0.00	0.33	207.56
22	0.00	0.00	0.00	0.00	0.13	207.43
23	0.00	0.00	0.00	0.00	0.13	207.30
24	0.00	0.00	0.00	0.00	0.12	207.18
25	0.00	0.00	0.00	0.00	0.33	206.85
26	0.00	0.00	0.00	0.00	0.69	206.16
27	0.00	0.00	0.00	0.00	0.48	205.68
28	0.00	0.00	0.00	0.00	0.25	205.43
29	0.00	0.00	0.00	0.00	0.28	205.15
30	0.00	0.00	0.00	0.00	0.28	204.87
31	0.00	0.00	0.00	0.00	0.30	204.57
	0.00	0.00	0.00	0.00	10.73	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						18.27
1	0.00	0.00	0.00	0.00	0.02	18.25
2	0.00	0.00	0.00	0.00	0.02	18.23
3	0.00	0.00	0.00	0.00	0.02	18.21
4	0.00	0.00	0.00	0.00	0.06	18.15
5	0.00	0.00	0.00	0.00	0.02	18.13
6	0.00	0.00	0.00	0.00	0.04	18.09
7	0.00	0.00	0.00	0.00	0.03	18.06
8	0.00	0.00	0.00	0.00	0.04	18.02
9	0.00	0.00	0.00	0.00	0.04	17.98
10	0.00	0.00	0.00	0.00	0.04	17.94
11	0.00	0.00	0.00	0.00	0.04	17.90
12	0.00	0.00	0.00	0.00	0.05	17.85
13	0.00	0.00	0.00	0.00	0.03	17.82
14	0.00	0.00	0.00	0.00	0.02	17.80
15	0.00	0.00	0.00	0.00	0.03	17.77
16	0.00	0.00	0.00	0.00	0.03	17.74
17	0.00	0.00	0.00	0.00	0.02	17.72
18	0.00	0.00	0.00	0.00	0.02	17.70
19	0.00	0.00	0.00	0.00	0.02	17.68
20	0.00	0.00	0.00	0.00	0.04	17.64
21	0.00	0.00	0.00	0.00	0.03	17.61
22	0.00	0.00	0.00	0.00	0.01	17.60
23	0.00	0.00	0.00	0.00	0.01	17.59
24	0.00	0.00	0.00	0.00	0.01	17.58
25	0.00	0.00	0.00	0.00	0.03	17.55
26	0.00	0.00	0.00	0.00	0.06	17.49
27	0.00	0.00	0.00	0.00	0.04	17.45
28	0.00	0.00	0.00	0.00	0.02	17.43
29	0.00	0.00	0.00	0.00	0.02	17.41
30	0.00	0.00	0.00	0.00	0.02	17.39
31	0.00	0.00	0.00	0.00	0.03	17.36
	0.00	0.00	0.00	0.00	0.91	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						441.53
1	0.00	0.00	0.00	0.00	0.47	441.06
2	0.00	0.00	0.00	0.00	0.47	440.59
3	0.00	0.00	0.00	0.00	0.44	440.15
4	0.00	0.00	0.00	0.00	1.36	438.79
5	0.00	0.00	0.00	0.00	0.58	438.21
6	0.00	0.00	0.00	0.00	0.99	437.22
7	0.00	0.00	0.00	0.00	0.68	436.54
8	0.00	0.00	0.00	0.00	0.96	435.58
9	0.00	0.00	0.00	0.00	0.96	434.62
10	0.00	0.00	0.00	0.00	0.92	433.70
11	0.00	0.00	0.00	0.00	0.92	432.78
12	0.00	0.00	0.00	0.00	1.19	431.59
13	0.00	0.00	0.00	0.00	0.75	430.84
14	0.00	0.00	0.00	0.00	0.58	430.26
15	0.00	0.00	0.00	0.00	0.65	429.61
16	0.00	0.00	0.00	0.00	0.61	429.00
17	0.00	0.00	0.00	0.00	0.55	428.45
18	0.00	0.00	0.00	0.00	0.60	427.85
19	0.00	0.00	0.00	0.00	0.48	427.37
20	0.00	0.00	0.00	0.00	0.98	426.39
21	0.00	0.00	0.00	0.00	0.67	425.72
22	0.00	0.00	0.00	0.00	0.27	425.45
23	0.00	0.00	0.00	0.00	0.27	425.18
24	0.00	0.00	0.00	0.00	0.24	424.94
25	0.00	0.00	0.00	0.00	0.67	424.27
26	0.00	0.00	0.00	0.00	1.42	422.85
27	0.00	0.00	0.00	0.00	0.98	421.87
28	0.00	0.00	0.00	0.00	0.51	421.36
29	0.00	0.00	0.00	0.00	0.57	420.79
30	0.00	0.00	0.00	0.00	0.57	420.22
31	0.00	0.00	0.00	0.00	0.61	419.61
	0.00	0.00	0.00	0.00	21.92	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						197.03
1	0.00	0.00	0.00	0.00	0.21	196.82
2	0.00	0.00	0.00	0.00	0.21	196.61
3	0.00	0.00	0.00	0.00	0.20	196.41
4	0.00	0.00	0.00	0.00	0.61	195.80
5	0.00	0.00	0.00	0.00	0.26	195.54
6	0.00	0.00	0.00	0.00	0.44	195.10
7	0.00	0.00	0.00	0.00	0.31	194.79
8	0.00	0.00	0.00	0.00	0.43	194.36
9	0.00	0.00	0.00	0.00	0.43	193.93
10	0.00	0.00	0.00	0.00	0.41	193.52
11	0.00	0.00	0.00	0.00	0.41	193.11
12	0.00	0.00	0.00	0.00	0.53	192.58
13	0.00	0.00	0.00	0.00	0.34	192.24
14	0.00	0.00	0.00	0.00	0.26	191.98
15	0.00	0.00	0.00	0.00	0.29	191.69
16	0.00	0.00	0.00	0.00	0.27	191.42
17	0.00	0.00	0.00	0.00	0.24	191.18
18	0.00	0.00	0.00	0.00	0.27	190.91
19	0.00	0.00	0.00	0.00	0.22	190.69
20	0.00	0.00	0.00	0.00	0.44	190.25
21	0.00	0.00	0.00	0.00	0.30	189.95
22	0.00	0.00	0.00	0.00	0.12	189.83
23	0.00	0.00	0.00	0.00	0.12	189.71
24	0.00	0.00	0.00	0.00	0.11	189.60
25	0.00	0.00	0.00	0.00	0.30	189.30
26	0.00	0.00	0.00	0.00	0.63	188.67
27	0.00	0.00	0.00	0.00	0.44	188.23
28	0.00	0.00	0.00	0.00	0.23	188.00
29	0.00	0.00	0.00	0.00	0.26	187.74
30	0.00	0.00	0.00	0.00	0.26	187.48
31	0.00	0.00	0.00	0.00	0.27	187.21
	0.00	0.00	0.00	0.00	9.82	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						236.85
1	0.00	0.00	0.00	0.00	0.25	236.60
2	0.00	0.00	0.00	0.00	0.25	236.35
3	0.00	0.00	0.00	0.00	0.24	236.11
4	0.00	0.00	0.00	0.00	0.73	235.38
5	0.00	0.00	0.00	0.00	0.31	235.07
6	0.00	0.00	0.00	0.00	0.53	234.54
7	0.00	0.00	0.00	0.00	0.37	234.17
8	0.00	0.00	0.00	0.00	0.52	233.65
9	0.00	0.00	0.00	0.00	0.51	233.14
10	0.00	0.00	0.00	0.00	0.50	232.64
11	0.00	0.00	0.00	0.00	0.49	232.15
12	0.00	0.00	0.00	0.00	0.64	231.51
13	0.00	0.00	0.00	0.00	0.40	231.11
14	0.00	0.00	0.00	0.00	0.31	230.80
15	0.00	0.00	0.00	0.00	0.35	230.45
16	0.00	0.00	0.00	0.00	0.33	230.12
17	0.00	0.00	0.00	0.00	0.29	229.83
18	0.00	0.00	0.00	0.00	0.32	229.51
19	0.00	0.00	0.00	0.00	0.26	229.25
20	0.00	0.00	0.00	0.00	0.53	228.72
21	0.00	0.00	0.00	0.00	0.36	228.36
22	0.00	0.00	0.00	0.00	0.14	228.22
23	0.00	0.00	0.00	0.00	0.14	228.08
24	0.00	0.00	0.00	0.00	0.13	227.95
25	0.00	0.00	0.00	0.00	0.36	227.59
26	0.00	0.00	0.00	0.00	0.76	226.83
27	0.00	0.00	0.00	0.00	0.52	226.31
28	0.00	0.00	0.00	0.00	0.27	226.04
29	0.00	0.00	0.00	0.00	0.31	225.73
30	0.00	0.00	0.00	0.00	0.31	225.42
31	0.00	0.00	0.00	0.00	0.32	225.10
	0.00	0.00	0.00	0.00	11.75	

Section 3

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

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

December 4, 2020

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide winter return flow replacement for the operation of the Catlin Augmentation Association Catlin Canal shares used in CWPDA's Rule 14 Plan. This return flow maintenance is as prescribed in Case No. 12CW94.

The amount of water to be transferred for this purpose will be 3.86 acre-feet and the transfer will be recorded in the JMAS accounting for November 30, 2020 because this transfer was for November return flows. Similar transfers will occur each month of the winter season and I will provide you this brief notice each time.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Colorado Springs

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

January 6, 2020

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide winter return flow replacement for the operation of the Catlin Augmentation Association Catlin Canal shares used in CWPDA's Rule 14 Plan. This return flow maintenance is as prescribed in Case No. 12CW94.

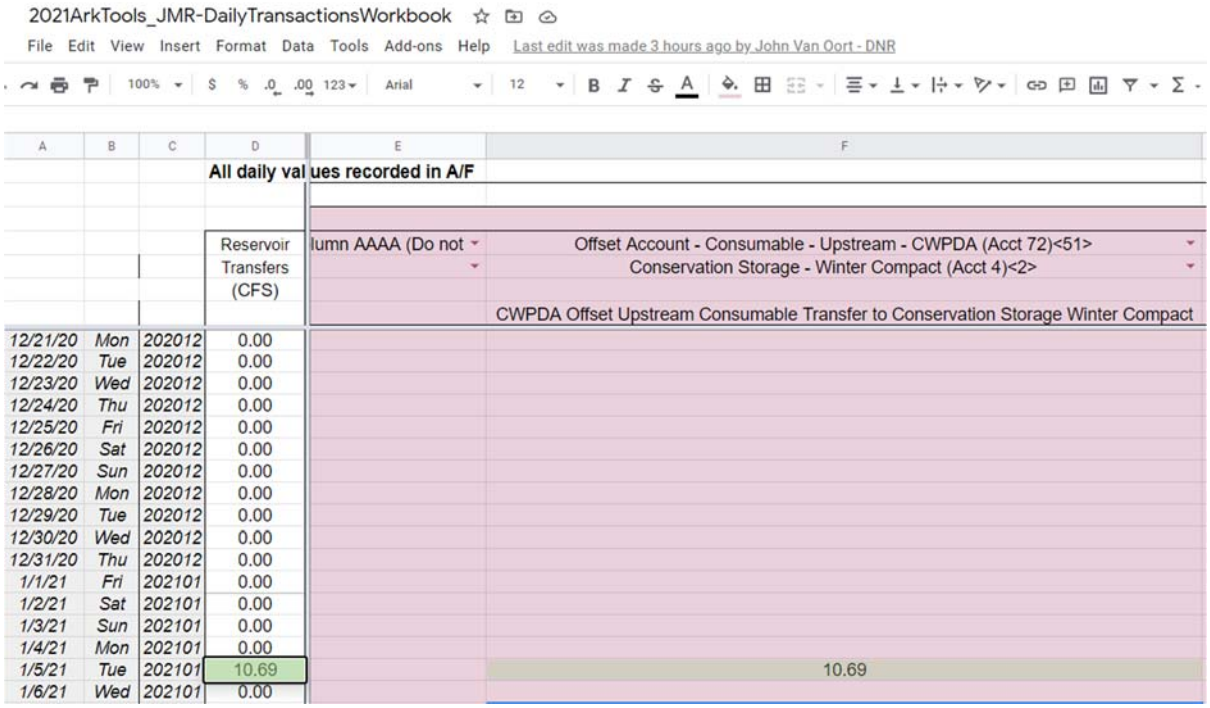
The amount of water to be transferred for this purpose will be 10.69 acre-feet and the transfer will be recorded in the JMAS accounting for January 5, 2021. This transfer was for December return flows. Similar transfers will occur each month of the winter season and I will provide you this brief notice each time.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold



2021ArkTools_JMR-DailyTransactionsWorkbook

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 3 hours ago by John Van Oort - DNR

			All daily values recorded in A/F		
			Reservoir Transfers (CFS)	lumn AAAA (Do not	Offset Account - Consumable - Upstream - CWPDA (Acct 72)<51> Conservation Storage - Winter Compact (Acct 4)<2>
					CWPDA Offset Upstream Consumable Transfer to Conservation Storage Winter Compact
12/21/20	Mon	202012	0.00		
12/22/20	Tue	202012	0.00		
12/23/20	Wed	202012	0.00		
12/24/20	Thu	202012	0.00		
12/25/20	Fri	202012	0.00		
12/26/20	Sat	202012	0.00		
12/27/20	Sun	202012	0.00		
12/28/20	Mon	202012	0.00		
12/29/20	Tue	202012	0.00		
12/30/20	Wed	202012	0.00		
12/31/20	Thu	202012	0.00		
1/1/21	Fri	202101	0.00		
1/2/21	Sat	202101	0.00		
1/3/21	Sun	202101	0.00		
1/4/21	Mon	202101	0.00		
1/5/21	Tue	202101	10.69		10.69
1/6/21	Wed	202101	0.00		

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Colorado Springs

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

February 1, 2021

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide replacement for Pre-86 well pumping depletions to conservation storage under the operation of CWPDA's Rule 14 Plan.

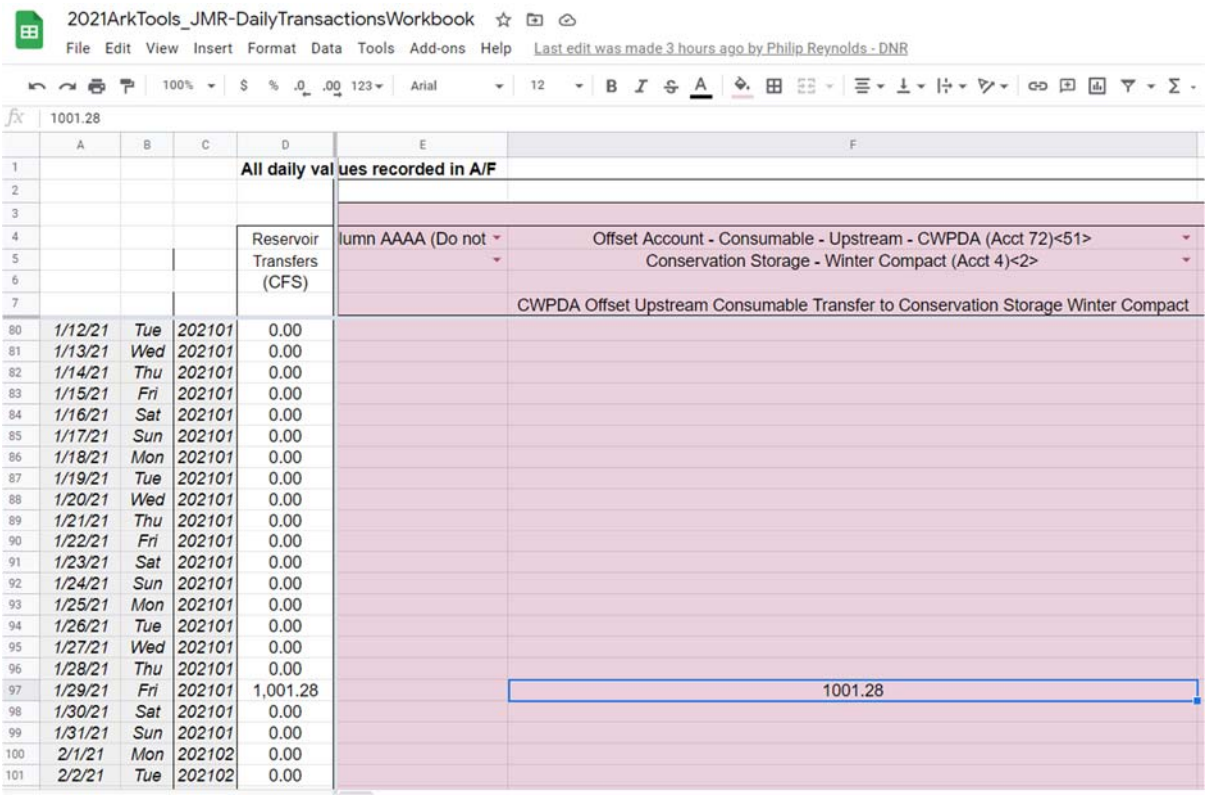
The amount of water to be transferred for this purpose will be 1001.28 acre-feet and the transfer will be recorded in the JMAS accounting for January 29, 2021. This transfer was for November, December and January depletions.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold



2021ArkTools_JMR-DailyTransactionsWorkbook

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 3 hours ago by Philip Reynolds - DNR

1001.28

	A	B	C	D	E	F
1				All daily values recorded in A/F		
2						
3						
4				Reservoir	lumn AAAA (Do not	Offset Account - Consumable - Upstream - CWPDA (Acct 72)<51>
5				Transfers		Conservation Storage - Winter Compact (Acct 4)<2>
6				(CFS)		
7						CWPDA Offset Upstream Consumable Transfer to Conservation Storage Winter Compact
80	1/12/21	Tue	202101	0.00		
81	1/13/21	Wed	202101	0.00		
82	1/14/21	Thu	202101	0.00		
83	1/15/21	Fri	202101	0.00		
84	1/16/21	Sat	202101	0.00		
85	1/17/21	Sun	202101	0.00		
86	1/18/21	Mon	202101	0.00		
87	1/19/21	Tue	202101	0.00		
88	1/20/21	Wed	202101	0.00		
89	1/21/21	Thu	202101	0.00		
90	1/22/21	Fri	202101	0.00		
91	1/23/21	Sat	202101	0.00		
92	1/24/21	Sun	202101	0.00		
93	1/25/21	Mon	202101	0.00		
94	1/26/21	Tue	202101	0.00		
95	1/27/21	Wed	202101	0.00		
96	1/28/21	Thu	202101	0.00		
97	1/29/21	Fri	202101	1,001.28		1001.28
98	1/30/21	Sat	202101	0.00		
99	1/31/21	Sun	202101	0.00		
100	2/1/21	Mon	202102	0.00		
101	2/2/21	Tue	202102	0.00		

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

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

February 12, 2021

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide winter return flow replacement for the operation of the Catlin Augmentation Association Catlin Canal shares used in CWPDA's Rule 14 Plan. This return flow maintenance is as prescribed in Case No. 12CW94.

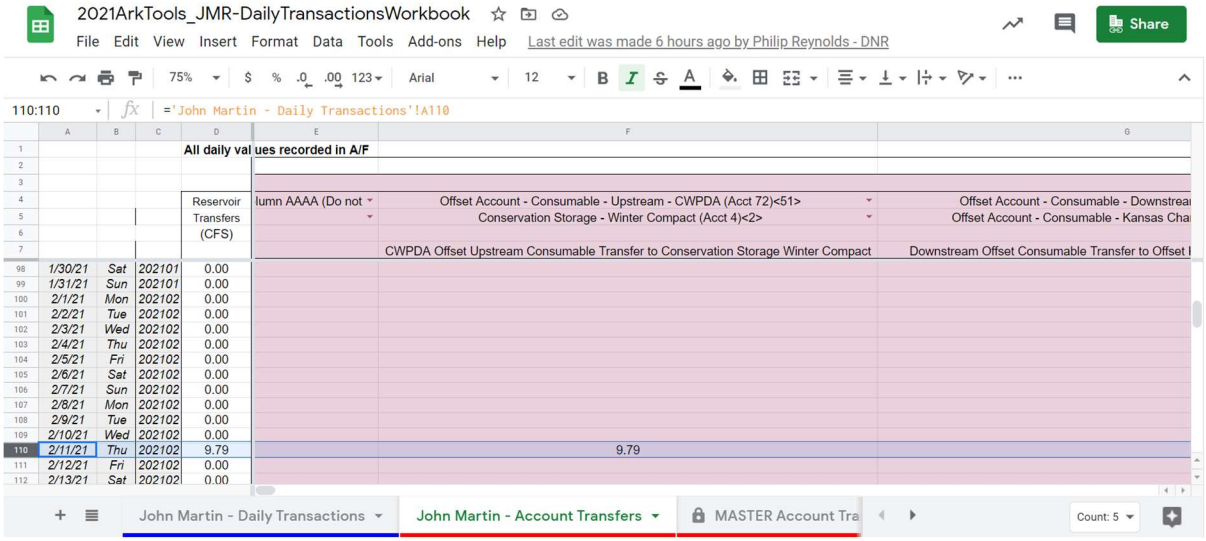
The amount of water to be transferred for this purpose will be 9.79 acre-feet and the transfer will be recorded in the JMAS accounting for February 11, 2021. This transfer was for January return flows. Similar transfers will occur each month of the winter season and I will provide you this brief notice each time.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold


2021ArkTools_JMR-DailyTransactionsWorkbook
File Edit View Insert Format Data Tools Add-ons Help
Last edit was made 6 hours ago by Philip Reynolds - DNR
Share
110:110
='John Martin - Daily Transactions'!A110
All daily values recorded in A/F
Reservoir Transfers (CFS)
lumn AAAA (Do not
Offset Account - Consumable - Upstream - CWPDA (Acct 72)<51>
Conservation Storage - Winter Compact (Acct 4)<2>
Offset Account - Consumable - Downstrea
Offset Account - Consumable - Kansas Cha
CWPDA Offset Upstream Consumable Transfer to Conservation Storage Winter Compact
Downstream Offset Consumable Transfer to Offset
98 1/30/21 Sat 202101 0.00
99 1/31/21 Sun 202101 0.00
100 2/1/21 Mon 202102 0.00
101 2/2/21 Tue 202102 0.00
102 2/3/21 Wed 202102 0.00
103 2/4/21 Thu 202102 0.00
104 2/5/21 Fri 202102 0.00
105 2/6/21 Sat 202102 0.00
106 2/7/21 Sun 202102 0.00
107 2/8/21 Mon 202102 0.00
108 2/9/21 Tue 202102 0.00
109 2/10/21 Wed 202102 0.00
110 2/11/21 Thu 202102 9.79 9.79
111 2/12/21 Fri 202102 0.00
112 2/13/21 Sat 202102 0.00
John Martin - Daily Transactions
John Martin - Account Transfers
MASTER Account Tra
Count: 5

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Colorado Springs

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

March 8, 2021

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide winter return flow replacement for the operation of the Catlin Augmentation Association Catlin Canal shares used in CWPDA's Rule 14 Plan. This return flow maintenance is as prescribed in Case No. 12CW94.

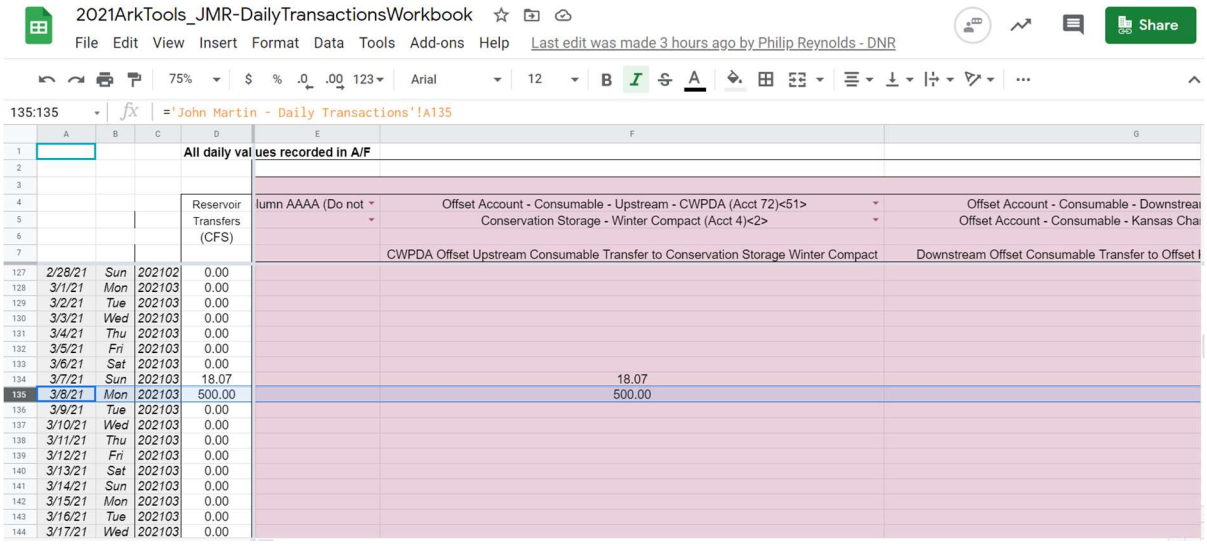
The amount of water transferred for this purpose was 18.07 acre-feet and the transfer was recorded in the JMAS accounting for Sunday, March 7, 2021. This transfer was for February return flows. Similar transfers will occur each month of the winter season and I will provide you this brief notice each time.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold
Bill Tyner



2021ArkTools_JMR-DailyTransactionsWorkbook

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 3 hours ago by Philip Reynolds - DNR

Share

135:135 ='John Martin - Daily Transactions'!A135

All daily values recorded in A/F

				Reservoir Transfers (CFS)	lumn AAAA (Do not	Offset Account - Consumable - Upstream - CWPDA (Acct 72)<51> Conservation Storage - Winter Compact (Acct 4)<2>	Offset Account - Consumable - Downstrea Offset Account - Consumable - Kansas Cha
						CWPDA Offset Upstream Consumable Transfer to Conservation Storage Winter Compact	Downstream Offset Consumable Transfer to Offset
127	2/28/21	Sun	202102	0.00			
128	3/1/21	Mon	202103	0.00			
129	3/2/21	Tue	202103	0.00			
130	3/3/21	Wed	202103	0.00			
131	3/4/21	Thu	202103	0.00			
132	3/5/21	Fri	202103	0.00			
133	3/6/21	Sat	202103	0.00			
134	3/7/21	Sun	202103	18.07		18.07	
135	3/8/21	Mon	202103	500.00		500.00	
136	3/9/21	Tue	202103	0.00			
137	3/10/21	Wed	202103	0.00			
138	3/11/21	Thu	202103	0.00			
139	3/12/21	Fri	202103	0.00			
140	3/13/21	Sat	202103	0.00			
141	3/14/21	Sun	202103	0.00			
142	3/15/21	Mon	202103	0.00			
143	3/16/21	Tue	202103	0.00			
144	3/17/21	Wed	202103	0.00			

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

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

March 8, 2021

Dear Kevin,

The purpose of this letter is to provide notice of a transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This transfer was requested by CWPDA to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide replacement for Pre-86 well pumping depletions to conservation storage under the operation of CWPDA's Rule 14 Plan.

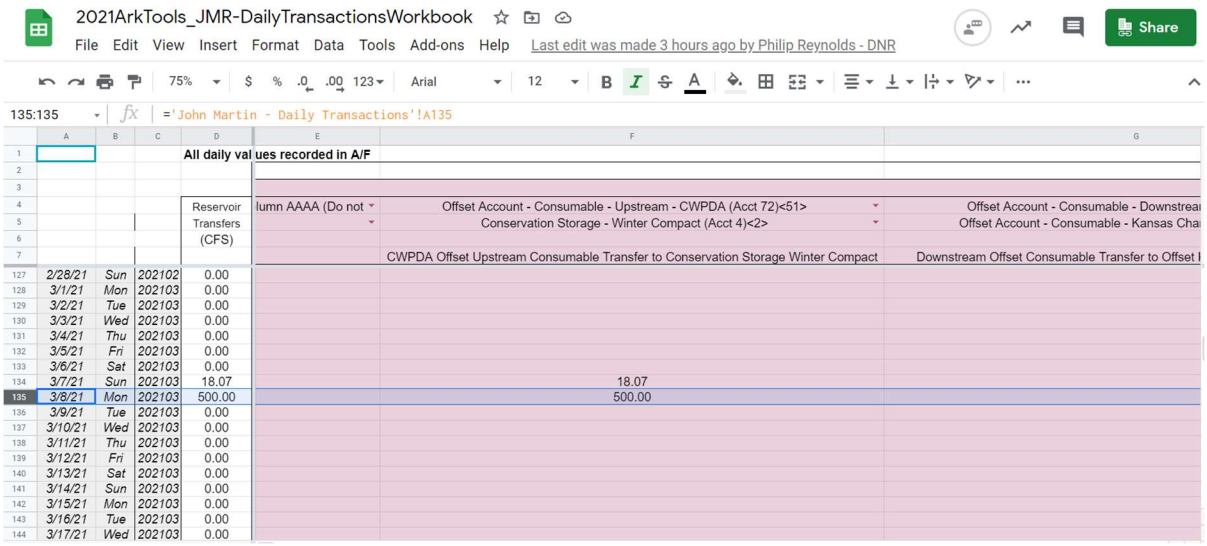
The amount of water to be transferred for this purpose will be 500 acre-feet and the transfer will be recorded in the JMAS accounting for March 8, 2021. This transfer was for February depletions.

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

Ec: Kent Ricken, CWPDA
Dan Tucker, CWPDA
Joe Regur
John Van Oort
Phil Reynolds
Bethany Arnold



2021ArkTools_JMR-DailyTransactionsWorkbook

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 3 hours ago by Philip Reynolds - DNR

Share

135:135 ='John Martin - Daily Transactions'!A135

	A	B	C	D	E	F	G
1				All daily values recorded in A/F			
2							
3							
4				Reservoir	lumn AAAA (Do not	Offset Account - Consumable - Upstream - CWPDA (Acct 72)<51>	Offset Account - Consumable - Downstrea
5				Transfers		Conservation Storage - Winter Compact (Acct 4)<2>	Offset Account - Consumable - Kansas Cha
6				(CFS)			
7						CWPDA Offset Upstream Consumable Transfer to Conservation Storage Winter Compact	Downstream Offset Consumable Transfer to Offset
127	2/28/21	Sun	202102	0.00			
128	3/1/21	Mon	202103	0.00			
129	3/2/21	Tue	202103	0.00			
130	3/3/21	Wed	202103	0.00			
131	3/4/21	Thu	202103	0.00			
132	3/5/21	Fri	202103	0.00			
133	3/6/21	Sat	202103	0.00			
134	3/7/21	Sun	202103	18.07		18.07	
135	3/8/21	Mon	202103	500.00		500.00	
136	3/9/21	Tue	202103	0.00			
137	3/10/21	Wed	202103	0.00			
138	3/11/21	Thu	202103	0.00			
139	3/12/21	Fri	202103	0.00			
140	3/13/21	Sat	202103	0.00			
141	3/14/21	Sun	202103	0.00			
142	3/15/21	Mon	202103	0.00			
143	3/16/21	Tue	202103	0.00			
144	3/17/21	Wed	202103	0.00			

COLORADO
Division of Water Resources
Department of Natural Resources

March 31, 2021

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 2021 is expected to total approximately 1,411 acre-feet to be used for well augmentation pursuant to the conditions in LAWMA's decrees in Water Court Case 02CW181 and 05CW052. Delivery will begin once all conservation storage has been distributed into accounts.

Colorado Downstream Consumable Water Subaccount	Approximately 1,411 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 2021 irrigation season. The accounting spreadsheet for the operation of the Keesee Ditch water right for 2021 will be provided electronically.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Water Division 2 · Pueblo
310 E. Abriendo Ave., Suite B · Pueblo, CO 81004 · Phone: 719-542-3368 · Fax: 719-544-0800
www.water.state.co.us

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 31, 2021

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 Fort Lyon 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 and at other times when the Fort Lyon Canal water right is not needed for in-state replacement. The delivery will only occur from those augmentation stations above John Martin Dam as described in the engineering analysis and approved per the 2020 SWSP application, (2021 approval anticipated to be final April 1, 2021). Appropriate terms and conditions were included for use of the water rights in the SWSP and will be also included in the 2020-22 Rule 14 Plan approval. The delivery is ongoing after the diversions started on March 15, 2021.

Colorado Upstream Consumable Water Subaccount	Approx. 0 acre-feet
Colorado Downstream Consumable Water Subaccount	Approx. 2575 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 2020 irrigation season. The accounting spreadsheet for the operation of the Fort Lyon Canal water right for 2020 will be provided electronically.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 31, 2021

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 and at all other times when the Highland Canal water right is not needed for in-state replacement or being delivered to the Permanent Pool in John Martin Reservoir per the agreement between the Colorado State Engineer and Kansas Chief Engineer signed on February 21, 2019. Delivery will likely begin April 1, 2021.

Colorado Downstream Consumable Water Subaccount	Approximately 3,371 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 2021 irrigation season. The accounting spreadsheet for the operation of the Highland Canal water right for 2021 will be provided electronically.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: JMR Permanent Pool Agreement for 2020

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

March 31, 2021

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) has initiated an action to deliver 471.6 acre-feet of fully consumable water to the Kansas Charge subaccount of the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's Keesee Article II account to fulfill the storage charge for 2021. (Note that a balance remained in the account of 28.4 acre-feet from a prior delivery).
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, 732.6 acre-feet of water will be transferred from LAWMA's Keesee Article II account. The following distribution of the 732.6 acre-feet will be made in the Offset Account.

On March 31, 2021:

Kansas Charge Water Subaccount	471.00 acre-feet
Return Flow Subaccount	67.4 acre-feet
Return Flow Transit Loss Subaccount	3.7 acre-feet

Additionally on March 31, 2021, 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	22.0 acre-feet
Amity Winter Stored Subaccount	107.7 acre-feet
Lamar Winter Stored Subaccount	60.8 acre-feet

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

Sincerely,

Rachel A. Zancanella
Assistant Division Engineer

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

June 28, 2021

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 initiate an action to deliver 500.00 acre-feet of fully consumable water to the river reaches below John Martin Reservoir for the purpose of replacing in-state well depletion obligations. The source of the water being delivered is approved pursuant to paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution")**. LAWMA will begin releasing water on Monday, June 28, 3021 from the X-Y Article II account at the rate of 50 acre-feet per day for ten days. Corresponding to that in-state consumable release, LAWMA started a transfer associated with return flow water from LAWMA's X-Y Article II account on June 27, 2021 as described below.

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, 821.00 acre-feet of water will be released or transferred from LAWMA's X-Y Article II account. The following distribution of the 821.00 acre-feet will be made to the river, to the Buffalo Section II account or in the Offset Account.

On June 27, 2021:

Kansas Charge Water Subaccount	0.00 acre-feet
Return Flow Subaccount	283.25 acre-feet
Return Flow Transit Loss Subaccount	26.27 acre-feet

Additionally on June 27, 2021, the following amounts representing the in-state return flow portion were transferred to the Buffalo Article II account:

Buffalo Winter Stored Subaccount	11.49 acre-feet

The fully consumable portion of the water from LAWMA's X-Y Article II account will then be released to the river at the rate of 50 acre-feet per day for ten days beginning on Monday, June 28, 2021.
I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: Calculation Sheets

June 27, 2021 Offset Acct Transfer

Amount of Water Transfer From Keesee, Sisson, Stubbs & XY Article II Accounts =	821.00	AF	JMAS Account
CU Water to "Offset Account-Consumable-DownStrem "53" =	0.00	AF	53
CU Water to "Offset Account-Consumable-KansasCharge "55" =	0.00	AF	55
Return Flows To Stateline =	309.52	AF	
Return Flows To Fort Bent Ditch =	0.00	AF	37
Return Flows To Amity Canal "38" =	0.00	AF	38
Return Flows To Lamar Canal "39" =	0.00	AF	39
Return Flows To Buffalo Canal "43" =	11.49	AF	43
Release to Buffalo Winter Water Storage Acct. "43"=	0.00	AF	43
CU to "River" =	499.99	AF	
Total =	821.00	AF	
Stateline Return Flows =	283.25	AF	(57)
Stateline Return Flow Transit Loss =	26.27	AF	(58)
	309.52	AF	

Transfers

		Transfers Out	Transfers In
Keesee (Summer Stored & Current Winter)	9 & 36	0.00	
Sisson (Summer Stored & Current Winter)	17 & 44	0.00	
Stubbs (Summer Stored)	60	0.00	
Amity (Current Winter)	38		0.00
Lamar (Current Winter)	39		0.00
Ft Bent (Current Winter)	37		0.00
Stateline (Offset Return Flow)	57		283.25
Stateline (Offset Return Flow-RF Transit Loss)	58		26.27
Buffalo (Current Winter)	43		11.49
Offset Account-Consumable-DownStrem	53		0.00
Offset Account-Consumable-KansasCharge	55		0.00
X-Y (Summer Stored)	15	321.01	
		321.01	321.01

CU Released to River

		Release	Transfers In
Keesee (Summer Stored)	9	0.00	
X-Y (Summer Stored)	15	499.99	
		499.99	0.00

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

June 28, 2021

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 initiate an action to deliver 1741.04 acre-feet of fully consumable water to the Colorado Consumable Downstream subaccount of the Offset Account for the purpose of satisfying the July 1st target outlined in paragraph 10 of the **Memorandum of Agreement Related to the Delivery of Highland Canal Water Into the Permanent Pool At John Martin Reservoir (Agreement")**. The source of the water being delivered is approved pursuant to paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution")**. LAWMA will transfer consumable water from LAWMA's Keesee, X-Y, Sisson and Stubbs Article II accounts to fulfill the transfer obligation for 2021.

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, 2734.30 acre-feet of water will be transferred from LAWMA's Keesee, X-Y, Sisson and Stubbs Article II accounts. The following distribution of the 2734.30 acre-feet will be made in the Offset Account.

On June 28, 2021:

Colorado Downstream Consumable Subaccount	1741.04
Kansas Charge Water Subaccount	0.00 acre-feet
Return Flow Subaccount	442.21 acre-feet
Return Flow Transit Loss Subaccount	40.85 acre-feet

Additionally on June 28, 2021, 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	58.09 acre-feet
Amity Winter Stored Subaccount	284.62 acre-feet
Lamar Winter Stored Subaccount	160.7 acre-feet
Buffalo Winter Stored Subaccount	6.79 acre-feet

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: Calculation Sheets

June 28, 2021 Offset Acct Transfer

Amount of Water Transfer From Keesee, Sisson, Stubbs & XY Article II Accounts =	2734.30	AF	JMAS Account
CU Water to "Offset Account-Consumable-DownStrem "53" =	1741.04	AF	53
CU Water to "Offset Account-Consumable-KansasCharge "55" =	0.00	AF	55
Return Flows To Stateline =	483.06	AF	
Return Flows To Fort Bent Ditch =	58.09	AF	37
Return Flows To Amity Canal "38" =	284.62	AF	38
Return Flows To Lamar Canal "39" =	160.70	AF	39
Return Flows To Buffalo Canal "43" =	6.79	AF	43
Release to Buffalo Winter Water Storage Acct. "43"=	0.00	AF	43
CU to "River" =	0.00	AF	
Total =	2734.30	AF	
Stateline Return Flows =	442.21	AF	(57)
Stateline Return Flow Transit Loss =	40.85	AF	(58)
	483.06	AF	

Transfers

		Transfers Out	Transfers In
Keesee (Summer Stored & Current Winter)	9 & 36	1936.20	
Sisson (Summer Stored & Current Winter)	17 & 44	242.00	
Stubbs (Summer Stored)	60	71.00	
	38		284.62
	39		160.70
	37		58.09
Stateline (Offset Return Flow)	57		442.21
Stateline (Offset Return Flow-RF Transit Loss)	58		40.85
Buffalo (Current Winter)	43		6.79
Offset Account-Consumable-DownStrem	53		1741.04
Offset Account-Consumable-KansasCharge	55		0.00
X-Y (Summer Stored)	15	485.10	
		2734.30	2734.30

CU Released to River

		Release	Transfers In
Keesee (Summer Stored)	9	0.00	
X-Y (Summer Stored)	15	0.00	
		0.00	0.00

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

June 28, 2021

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

Dear Kevin,

Pursuant to Paragraph 4 of Appendix F.2 of Kansas v. Colorado No. 105, Original, the purpose of this letter is to provide you with 30 days notice and initial information of a transfer of water within the Offset Account in John Martin Reservoir to the Kansas Consumable Account. The most recent accounting for LAWMA's Rule 14 Plan through May, 2021 shows an accumulative stateline replacement obligation of 4117.30 acre-feet. To the extent that stateline credits from the current release of water from the Offset Account do not fully replace this obligation and, to the extent there is water in the Colorado Downstream Consumable subaccount, water will be transferred from the Colorado Downstream Consumable subaccount to the Kansas Consumable subaccount in order for evaporation charges to be accounted for pursuant to Appendix F.2 To the extent the stateline obligation may not be fully met from these two sources, LAWMA will transfer fully consumable water from Article II accounts or deliver water to the Offset Account to fulfill the transfer obligation for depletions caused by pumping through May 2021 and these transfers or deliveries will be to the Kansas Consumable subaccount to complete the full extent of the 4117.30 acre-foot obligation.

I will provide you with a formal notification, which will have all of the details concerning any transfer or delivery within or into the Offset Account related to this obligation. If you have any questions in the meantime, please call me.

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: Appendix F.2

Appendix F.2

AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDTIS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS

September 29, 2005

This Agreement is entered into by the State of Colorado and the State of Kansas (hereinafter referred to as "Colorado" and "Kansas") in the interests of interstate comity to resolve accounting issues relating to the Offset Account in John Martin Reservoir for Colorado Pumping (hereinafter "Offset Account"). The crediting and implementation principles described herein will be applied to Offset Account deliveries and H-I Model input sets for the years 1997 through 2004 as well as future years.

Acceptance of this Agreement by Colorado and Kansas does not prejudice or constitute a waiver of their respective rights under the Arkansas River Compact, the April 24, 1980 Resolution Concerning an Operating Plan for John Martin Reservoir (as revised on May 10, 1984, and December 11, 1984), the March 17, 1997 Stipulation Re Offset Account in John Martin Reservoir in *Kansas v. Colorado*, No. 105 Original, or the Amended March 30, 1998 Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping.

Colorado and Kansas agree as follows:

1. Definitions: The following terms will be defined in this agreement as follows:

A. **Colorado Consumable Subaccount** – a subaccount of the Offset Account into which fully consumable water, as determined by the Colorado State Engineer pursuant to Paragraphs 3 and 4 of the Offset Account Resolution, is delivered or transferred. This subaccount is further segmented into:
   i. Colorado Upstream Consumable Subaccount
   ii. Colorado Downstream Consumable Subaccount.

B. **Colorado Upstream Subaccount** – a subaccount of the Offset Account for the storage of water with the purpose of replacing depletions to conservation storage inflows pursuant to Paragraph 6 of the Offset Account Resolution.

C. **Consumable Portion of the Release** – the water released from the Kansas Consumable and Colorado Consumable subaccounts of the Offset Account. This would not include waters released from any other subaccounts of the Offset Account.

D. **H-I Model** – the Hydrologic-Institutional Model developed jointly by the States to assist in the determination of Stateline depletions to usable streamflows.

E. **Instate Return Flow to Colorado Ditches Subaccount** – a subaccount of the Offset Account where the water necessary to maintain historical return flows to Colorado ditches from deliveries of water historically used for agricultural irrigation is deposited.
    i. Keesee Winter Return Flows
F. **Kansas Consumable Subaccount (KCS)** – a subaccount of the Offset Account for the storage of that part of the total account for which evaporation is charged to Kansas, pursuant to Paragraph 5B of the Offset Account resolution.
G. **Kansas Storage Charge Subaccount** – a subaccount of the Offset Account for the storage of fully consumable water which is a prerequisite for Colorado or its water users to store water in the Offset Account as provided for in Paragraph 9 of the Offset Account Resolution.
H. **Kansas Stateline Return Flow Subaccount** – a subaccount of the Offset Account for those Stateline return flows which, based on historic patterns, would have been delivered to the Stateline, but which are held in the Offset Account pursuant to Paragraph 4 of the Offset Account Resolution.
I. **Muskingum method** – a routing method as described in the following reference: McCarthy, G.T., 1938: 'The Unit Hydrograph and Flood Routing', presented at conference of North Atlantic Division, U.S. Corps of Engineering, June 1938 (see also 'Engineering Construction - Flood Control', pp. 147-156, the Engineer School, Ft. Belvoir, VA, 1940).
J. **Offset Account Resolution (OAR)** – the "Resolution concerning an Offset Account in John Martin Reservoir for Colorado Pumping as amended March 30, 1998," or as it is subsequently amended.
K. **Provisional data** -- streamflow and ditch diversion data collected on the day the administrative action is taken.
L. **Reasonable Opportunity** – is the first day during the period of April 1st to June 30th when the mean Stateline daily flow is 100 cfs or greater for at least 15 days in the previous 30-day period, even if the 30 days precede April 1.
M. **Stateline flow** – the flow of the waters of the Arkansas River as determined by gaging stations located at or near the Stateline, more specifically the combined flow as measured by USGS gaging stations: Frontier Ditch near Coolidge and the Arkansas River near Coolidge.
N. **Stateline Return Flow Subaccount** – a subaccount of the Offset Account for water that will be required to maintain historical Stateline return flows pursuant to Paragraph 4 of the Offset Account resolution.
O. **Stateline Return Flow Transit Loss Subaccount** – a subaccount of the Offset Account for the associated transit loss water needed to deliver historical Stateline return flows to the Stateline Pursuant to Paragraph 8 of the Offset Account Resolution.

2. Subaccounts currently approved for the Offset Account.

The Offset Account, as provided for by the **Offset Account Resolution (OAR)**, shall consist of the following subaccounts:

A. Colorado Consumable Subaccounts (OAR Paragraphs 3 & 4)
    i. Colorado Upstream Consumable Subaccount
    ii. Colorado Downstream Consumable Subaccount
B. Colorado Upstream (OAR Paragraph 6)
C. Instate Return Flow to Colorado Ditches (OAR Paragraph 4)
    i. Keesee Winter Return Flows
D. Kansas Consumable (OAR Paragraph 5.B.)
E. Kansas Storage Charge (OAR Paragraph 9)
F. Kansas Stateline Return Flow (OAR Paragraph 4 & 5, 5 deals with the evaporation on Stateline Return Flows after Kansas has been noticed)
G. Stateline Return Flow (OAR Paragraph 4)
H. Stateline Return Flow Transit Loss (OAR Paragraph 8)

Additional subaccounts may be approved only by mutual agreement by both States. Notice of a proposed subaccount (including a detailed written description of the need and justification for the subaccount) must be given from one state to the other; and the response is due from the notified State within two weeks upon receipt.

3. Determination of Credits for the Delivery of Water Released from the Offset Account

The States agree to determine credits for the delivery of water released from the Offset Account on Kansas' demand based on measured **Stateline flow** in accordance with the criteria described below.

A. Release accounting and stream flow data used in the evaluation of all deliveries will be as follows:

    i. Accounting records of the Operations Secretary for Offset Account releases, including hourly records of gate changes identifying the beginning and end of releases.

    ii. Provisional, hourly, and daily satellite data from pertinent gaging stations between John Martin Reservoir and the Stateline. Stateline deliveries for which Colorado will receive credit will be based on the mean daily **Stateline flow**.

    iii. The United States Geological Survey (USGS) provides the State of Colorado with a data feed of shift-corrected discharge values on an hourly basis. The data provided is in a non-aggregated time step, typically 15-minute measurement intervals. Once data is loaded into the Colorado Division of Water Resources database, it is not updated with subsequent data from the USGS. Therefore, data used for water administration remains the same as during the time the water was administered. Colorado will daily extract 15 minute discharge data for the Arkansas River at Granada, the Frontier Ditch, and the Arkansas at Coolidge gages for the previous 24-hour period to update previously transmitted data and export this and previous data for the most

recent 7-day period as a delimited text file to an ftp directory accessible by persons designated by the Colorado State Engineer or Kansas Chief Engineer. **Provisional data** shall be used for all the calculations described in this agreement. Colorado will provide and maintain the auto-executable program to periodically update databases maintained in their respective offices with this data to ensure identical stream flow data sets to be used to evaluate deliveries of water from John Martin Reservoir to Kansas.

B. The antecedent flow during the Offset Account delivery will be determined as follows:

i. Use the mean daily **Stateline flow** for the 10 full days preceding the date of delivery arrival, provided that the variability within the period does not depart from the 10-day average by more than 10%. The date of delivery arrival for the purpose of this Paragraph shall be two days after the initiation of the release with the first day of release being day zero. Days of **Stateline flow** which exceed 110% of the initial average will be removed until an average base flow with less than +/- 10% variability is achieved to remove interference caused by precipitation or the effect of Colorado ditch operations during the 10-day period. No more than two iterations of antecedent flow calculation will be performed and no fewer than 6 days out of the preceding 10-day period will be used in determining the antecedent flow except as provided in the following two paragraphs.

ii. If an Offset Account release follows within 10 days of any other release from a Kansas account (including the Offset Account), the antecedent flow for the current Offset Account release shall be the same as the antecedent flow determined for the previous release using the same procedures as described above in Paragraph 3.B.i.

iii. If the average flow for the 10-day period preceding the 10 days (i.e. days 11 through 20 prior to arrival of the release) used to determine antecedent flow is more than twice the computed antecedent flow computed above in Paragraph 3.B.i., the antecedent flow will be adjusted to be the average of: a) the antecedent flow as described above in Paragraph 3.B.i. and b) the hydrograph flow value using the **Muskingum method** described below in Paragraph 3.C. on the sixth day following the end of the release from John Martin Reservoir with the last day of the release being day zero.

C. For Offset Account releases occurring without consecutive Kansas Section II Account releases, the credit component of the Offset Account release at the Stateline for which Colorado will receive 100% credit as a replacement of depletions to usable Stateline flow will be determined as follows:

i. The mean daily release from the Offset Account will be multiplied by 1.05.

ii. These adjusted mean daily values will be routed to the Stateline using the **Muskingum method** with the following parameters: K = 60 hours, x = 0.15 and t=24 hours.

iii. The resulting Muskingum hydrograph will be lagged one day, in addition to the lag included within the Muskingum routing.

iv. The Stateline delivery for the purpose of determining Offset credit will be determined as the lesser of: a) the **Stateline flow** less antecedent flow or b) the lagged Muskingum hydrograph.

v. The Stateline delivery determination will end the sixth day following the end of the release from John Martin Reservoir with the last day of the release being day zero and with the delivery for the sixth day being prorated by the ratio of the number of hours of release in day zero divided by 24.

vi. The Offset Account delivery efficiency will be the Stateline delivery determined in the manner described above divided by the total Offset Account release.

vii. Under no circumstances shall more than 100% of the total volume released from the Offset Account over the entire period of the release be determined to be delivered under these procedures.

viii. The credit for the **Consumable Portion of the Release** will be determined as the Offset Account delivery efficiency multiplied by the **Consumable Portion of the Release**.

D. For combined releases of Offset Account and Kansas Section II Account water, the credit component for the Offset Account release at the Stateline for which Colorado will receive 100% credit as a replacement of depletions to usable **Stateline flow** and the Equivalent Stateline Flow (ESF) volume for determining transit losses associated with Kansas Section II Account release will be determined as follows:

i. The mean daily release from the sum of the Offset Account and the Kansas Section II Account releases will be multiplied by 1.05.

ii. These adjusted mean daily values will be routed to the Stateline using the **Muskingum method** with the following parameters: K = 60 hours, x = 0.15 and t=24 hours.

iii. The resulting Muskingum hydrograph will be lagged one day, in addition to the lag included within the Muskingum routing.

iv. The Stateline delivery, for the purpose of determining Offset credit, will be determined as the lesser of: a) the **Stateline flow** less antecedent flow or b) the lagged Muskingum hydrograph.

v. The Stateline delivery determination will end the sixth day following the end of the release from John Martin Reservoir with the last day of the release being day zero and with the delivery for the sixth day being prorated by the ratio of the number of hours of release in day zero divided by 24.

vi. The Offset Account delivery efficiency will be the Stateline delivery determined in the manner described above divided by the total of Offset Account and Kansas Section II Account releases.

vii. The credit for the **Consumable Portion of the Release** will be determined as the Offset Account delivery efficiency multiplied by the **Consumable Portion of the Release**.

viii. The ESF delivery will be determined as the lesser of: a) the **Stateline flow** or b) the lagged Muskingum hydrograph.

ix. The ESF delivery determination will end the sixth day following the end of the release from John Martin Reservoir with the last day of the release being day zero and with the delivery for the sixth day being prorated by the ratio of the number of hours of release in day zero divided by 24.

x. The ESF percentage will be calculated as the ESF delivery (determined using Sub-paragraphs 3.D.i through 3.D.iii and 3.D.viii through 3.D.ix) divided by the total of the releases from the Offset Account and Kansas Section II Account.

xi. The volume of the Kansas Section II ESF is the total of the Kansas Section II releases multiplied by the ESF percentage.

xii. If the ESF volume for the Kansas Section II Account delivery is less than the Kansas Section II Account volume released, the resulting transit loss will be replenished to the Kansas Section II Account.

xiii. Under no circumstances shall more than 100% of the total of either the release from the Offset Account or the Kansas Section II Account over the entire period of the release be determined to be delivered for that account under these procedures.

xiv. For the purposes of these determinations, the volume of multiple releases from the same account during the combined releases will be summed and treated as a single value.

4. Credit for evaporation from water stored in the "Kansas Consumable Subaccount" (KCS).

As provided in the **Offset Account Resolution (OAR)**, once Kansas has received a 30-day notice and evaporation is now being assigned to the KCS, Colorado may accumulate the

evaporation for later credit as determined below in this Paragraph. Commencing April 1 of each year, the content of the KCS will be subject to the following accounting procedures and shall be used to establish evaporation eligible for credit from the KCS:

A. During the period of April 1 through June 30, if Kansas does not call for water from the KCS, evaporation eligible for credit as a replacement of depletions to usable Stateline flows for water stored in the KCS will begin the day following a **Reasonable Opportunity** for Kansas to call for water. If a **Reasonable Opportunity** has occurred and Kansas has chosen not to call for water from the KCS, evaporation eligible for credit as a replacement of depletions to usable Stateline flows for all water stored in the KCS will continue until either Kansas calls for a release of water and exhausts the KCS, or until the succeeding April 1, whichever comes first. However, if Kansas chooses to call for water from the KCS, evaporation eligible for credit will commence on the date of release and will continue until either the KCS is exhausted, or until the succeeding April 1, whichever comes first.

B. During the period of April 1 through June 30, if Kansas does not call for water from the KCS and there is no **Reasonable Opportunity** for Kansas to call for water, the evaporation eligible for credit as a replacement of depletions to usable Stateline flows for all water stored in the KCS will begin on July 1 and will continue until either Kansas calls for a release of water and exhausts the KCS, or until the succeeding April 1, whichever comes first.

C. During the period of April 1 through June 30, if Kansas does call for water from the KCS, evaporation eligible for credit from additional water delivered to and stored in the KCS that is less than 3,500 acre-feet will be deferred until July 1 but will then continue until either Kansas calls for a release of water and exhausts the KCS, or until the succeeding April 1, whichever comes first.

D. During the period of April 1 through June 30, if Kansas does call for water from the KCS, evaporation eligible for credit from additional water delivered to and stored in the KCS that is equal to or greater than 3,500 acre-feet will begin on the date the 3,500 acre-feet for the total volume was achieved and will continue until either Kansas calls for a release of water and exhausts the KCS, or until the succeeding April 1, whichever comes first.

E. During the period of July 1 through September 30 evaporation eligible for credit for additional water delivered to and stored in the KCS from July 1 through September 30 will begin on the day water is delivered and stored in the KCS and will continue until either Kansas calls for a release of water and exhausts the KCS, or until the succeeding April 1, whichever comes first.

F. Colorado shall receive no credit as a replacement of depletions to usable Stateline flows for evaporation from additional water delivered to and stored in the KCS during the period October 1 through March 31.

G. Commencing April 1 of each succeeding year, the accounting and procedures as described in this Paragraph 4 shall be used to establish initial conditions for assigning evaporation eligible for credits from the KCS for that year.

H. The evaporation credit component for offsetting usable depletions to Stateline flows will be computed by applying the Offset Account delivery efficiency for the next Offset Account release, as set forth in Paragraph 3 above, to the quantity of KCS evaporation eligible for credit. Colorado will not seek credit for the computed transit loss component of this water. Kansas Storage Charge water and the Kansas Stateline Return Flow water shall not be placed into the KCS, nor shall evaporation from these subaccounts be eligible for credit.

5. Assignment of Transit Losses

The **Consumable Portion of the Release** from the Offset Account that is not credited as a delivery at the Stateline, as determined in Paragraph 3 above, will be considered to be transit loss and a portion of that amount, as determined below, will be input into the **H-I Model** as a special water and assigned to reaches between John Martin Reservoir and the Stateline. The transit loss to the three reaches between stream gages below John Martin Reservoir (JMR to Lamar, Lamar to Granada, Granada to Stateline) will be determined in proportion to the percentages of transit loss determined using the Livingston Reach 6 factors with the antecedent flows at the stream gages at JMR, Lamar and Granada. However, if through the cooperative efforts of the States, an improved method of determining transit losses between John Martin Reservoir and the Stateline is devised, that method may be utilized through amendment of this agreement pursuant to Paragraph 11. In determining the portion of the transit loss that will be included in the **H-I Model**, the flows through the Granada gage will be used to assess Colorado's efforts to administer the released water past Colorado ditch headgates. The procedure to determine the amount of transit loss to be input into the **H-I Model** as a special water will be as follows:

A. Upon a call for an Offset Account release from John Martin Reservoir, the flows will be evaluated for the prior ten-day period in a manner consistent with Sub-paragraph 3.B above for the Arkansas River below John Martin Reservoir, the Arkansas River at Lamar and the Arkansas River near Granada river gages to compute a target flow rate at the Granada gage computed as the Granada antecedent flow plus the Offset Account release rate less the transit loss based on Livingston Reach 6 factors. During the Offset Account release, Colorado will administer the release to attempt to maintain the target flow rate at the Granada gage. Changes in the Offset Account release rate will cause a change in the Granada gage target rate (based on the original calculation using the Livingston Reach 6 factors), computed by the new release rate multiplied by the original transit loss percentage plus the antecedent flow.

B. At the conclusion of the release, the actual volume delivered through the Granada gage will be determined using mean daily flows from the **Provisional Data** for the Granada gage for the target evaluation period, which is from the date of the first day of release arrival at the Stateline through the day following the last full day of release at John

Martin Reservoir. This value will be compared to the volume calculated using the delivery target flow rate at Granada multiplied by the number of days between release arrival at the Stateline and one day following the last full day of release at John Martin Reservoir. If the volume of actual delivery through the Granada gage for this period is greater than or equal to the target volume delivery, 75% of the transit losses determined for the delivery will be input into the **H-I Model** as special water. See Table A below for a sample computation.

C. If the volume of actual delivery through the Granada gage for the target evaluation period is less than the target volume delivery, the amount of the transit loss in the JMR to Lamar reach that is eligible for use as a transit loss input for the **H-I Model** is reduced by the ratio of the target transit loss in that reach derived using the Livingston Reach 6 factors to the actual transit loss in that reach calculated from the difference between the target flow rate at Granada and the actual delivery flow rate at Granada. The portion of the total delivery transit loss attributed to that reach is multiplied by this ratio to obtain the amount of the transit loss in the JMR to Lamar reach that is eligible for use as a transit loss input. The same computation is performed to determine the amount of the transit loss in the Lamar to Granada reach that is eligible for use as a transit loss input for the **H-I Model**. The transit loss eligible for input into the **H-I Model** in the Granada to Stateline reach is unchanged. Seventy-five percent of the transit loss determined for each of the three reaches will be input into the **H-I Model** as a special water. See Table A below for a sample computation for this case.

Table A: Sample computation for assignment of Transit Loss

Delivery Target Met							
	JMR	JMR to Lamar Reach	Lamar	Lamar to Granada Reach	Granada (Delivery Target)	Granada to Stateline Reach	Stateline
Flow Rates	250 cfs		237.5 cfs		225 cfs		200 cfs
Transit Losses		12.5 cfs		12.5 cfs		25 cfs	
% of total TL		25%		25%		50%	
CU Delivery Transit Loss							1000 ac-ft
Transit Loss by Reach		250 ac-ft		250 ac-ft		500 ac-ft	
75% of TL input as Special Water		187.5 ac-ft		187.5 ac-ft		375 ac-ft	750 ac-ft
Delivery Target Not Met							
	JMR	JMR to Lamar Reach	Lamar	Lamar to Granada Reach	Granada (Delivery Target)	Granada to Stateline Reach	Stateline
Flow Rates	250 cfs		237.5 cfs		225 cfs		200 cfs
Transit Losses		12.5 cfs		12.5 cfs		25 cfs	
% of total TL		25%		25%		50%	
CU Delivery Transit Loss							1000 ac-ft
Transit Loss by Reach		250 ac-ft		250 ac-ft		500 ac-ft	
Actual Delivery Rate					200 cfs		
Actual Transit Loss		25 cfs		25 cfs			
Adjusted Transit Loss		125 ac-ft		125 ac-ft		500 ac-ft	750 ac-ft
75% of Adjusted TL input as Special Water		93.75 ac-ft		93.75 ac-ft		375 ac-ft	562.5 ac-ft

6. Disposition of return flow water from Keesee Ditch, XY-Graham Canal, and Stubbs Ditch Section II accounts that is transferred into the Offset Account.

The procedure used to determine the timing and quantity of return flows is described herein. When Colorado transfers water from one of the subject Section II accounts to the Offset Account under the provisions of paragraph 4 of the **Offset Account Resolution**, the water transferred from the Section II account will be split into its consumptive use, in-state return flow and Stateline return flow components as described in Attachment A.

In-state return flows and the associated transit loss will be simulated in the **H-I Model** as a special water input, either as an input to the river in Reach 11 if return flows are actually released to the river, or as an input to individual Section II accounts of Colorado ditches, as actually occurs.

The consumptive use water, Stateline return flows and the associated transit loss and evaporation that is transferred to the Offset Account will be disposed of in accordance with the provisions of paragraphs 4, 5, and 8 of the **Offset Account Resolution**. The Stateline return flow will be simulated in the **H-I Model** as follows: (1) For return flows that remain in the Offset Account at the direction of the Kansas Chief Engineer, Stateline return flows will be simulated in the **H-I Model** by adding a special water equal to the return flow according to the schedules in Attachment A. Seventy-five percent of the transit loss water will be added to Reach 11. (2) For water transferred into the Kansas Section II account at the direction of the Kansas Chief Engineer, a special water input equal to the amount of the transfer will be made. (3) For Stateline return flows delivered to the river, a special water input equal to the amount of the release will be made to Reach 11, unless this water is delivered past the headgates of canals in Colorado, in which case it will be added to the reach to which it was delivered. In either case, seventy-five percent of the transit loss release will be input to Reach 11. Nothing in this subsection relating to the distribution of Stateline return flow or simulation of Stateline return flow in the **H-I Model** will affect the assignment of evaporation charges as set out in the **Offset Account Resolution**, paragraph 5.B.

7. Using H-I Model 10-year compliance results to determine additional amounts of water for delivery to the Offset Account by Colorado and to reset the status of Colorado's monthly accounting for the purpose of evaporation accounting under the provisions of the Offset Account Resolution.

To use the **H-I Model** to determine Compact compliance in accordance with the Special Master's recommendations in the Fourth Report, two steps are required. The first step is to run the **H-I Model** in both the historic and Compact modes to determine the accretions or depletions to usable Stateline flows for the previous 10-year period resulting from post-Compact well pumping and replacement sources represented in the **H-I Model**. The second step is to sum Colorado's Stateline delivery credits for fully consumable water delivered from the Offset Account to the Stateline for the previous 10-year period including any credits for evaporation from water stored in the KCS that Colorado is entitled to. The resulting quantities from these two steps are then used to calculate the final determination of accretions or depletions to usable

Stateline flows for the previous 10-year period. This final quantity is shown as Accretion A or Depletion A in Table B below.

In the monthly accounting performed by Colorado to replace well pumping depletions using the methods used to implement the Amended Use Rules, the credits that Colorado is entitled to as a result of deliveries from the **Colorado Consumable Subaccounts** to the Stateline are used to balance stream depletions that are calculated each month until these delivery credits are exhausted. These credits are shown as Accretion B in Table B below.

Analysis of the **H-I Model** runs used to determine Accretion A or Depletion A should be completed by mid-March of the year following the 10 calendar year period for which Compact compliance is being determined. Prior to the first full 10-year period, this accounting will be performed using years 1997 through 2005. When this analysis is completed, the actions summarized in the table below should be taken to reset the credit/depletion status of Colorado's monthly accounting.

Table B: Actions to reset the credit/depletion status of Colorado's monthly accounting

Results of the **H-I Model** analysis for the most current 10 year compliance period	Monthly Accounting Status at the end of December of the last year of the 10 year compliance period	Reset Action for Accretion B (Monthly Accounting Status for the beginning of the current calendar year)
IF	**AND IF**	**THEN**
Accretion A	Accretion B > 0 (Credits are used in monthly accounting before any further water is transferred to the KCS)	Reset to Accretion A (Credits are used in monthly accounting before any further water is transferred to the KCS)
Accretion A	Accretion B = 0 (Water is transferred to the KCS after monthly accounting)	Reset to Accretion A (Move KCS back to Colorado CU sub account for Jan-Mar of current year. Credits are used in monthly accounting before any further water is transferred to the KCS)
Depletion A	Accretion B = 0 (Water is transferred to the KCS after monthly accounting)	Place CU water = Depletion A into the Offset Account (Water is transferred to the KCS after monthly accounting)
Depletion A	Accretion B > 0 (Credits are used in monthly accounting before any further water is transferred to the KCS)	Reset Accretion B = 0 Place CU water = Depletion A into the Offset Account (Water is transferred to the KCS after monthly accounting)

8. New accounting procedures or calculations developed through collaborative efforts, including improved methodology to determine transit losses between John Martin Reservoir and the Colorado-Kansas Stateline, may be implemented or substituted with existing procedures or calculations upon modification of this agreement pursuant to Paragraph 11.

9. Colorado will employ best water administrative practices and enforcement activities to assure the timely delivery of Offset Account releases from John Martin Reservoir to the Colorado-Kansas Stateline in order to maximize delivery of such water to the Stateline.

10. If Kansas calls for more than 10,000 AF from the **Colorado Consumable** and/or **Kansas Consumable Subaccounts** during the period of November 1 to March 31 in any consecutive three years period, the transit losses on that part of the releases exceeding 10,000 AF, will be input into the **H-I Model** as special waters in the following April using the procedures provided for in Paragraph 5.

11. The States may agree to modify this Agreement, or any portion thereof, provided any amendment is not inconsistent with the Compact and the decisions of the Court in this case. Either State may seek modification of this Agreement by giving notice to the other State's Chief or State Engineer in writing. The States will cooperate in a good-faith effort to resolve issues raised by the proposed modification. The States may modify this Agreement only by mutual agreement or, if the States are unable to agree on a proposed modification to this Agreement, a State may submit the matter to the dispute resolution process included in the final decree in this case, including binding arbitration.

The States also agree to review this Agreement and the **Offset Account Resolution** every five years to determine whether the provisions can be improved in the interest of continuing interstate comity and effective water management. The first review shall occur five years from the effective date of this Agreement.

OPERATIONAL GUIDELINES

Although not mandatory, to enhance the efficient and timely delivery of water released from the Offset Account, the States also agree to the following guidelines:

1. Kansas should avoid calling for releases from the Offset Account during the period November 1 through March 31. Exceptions may be made whenever stream conditions are favorable for a release and the water is needed in Kansas, or when a spill is expected.

2. When antecedent flow is 100 cfs, or less, Kansas will call for releases from the Offset Account at a flow rate of at least 250 cfs and for a minimum of 7 days, although Kansas may reduce or terminate a release from the Offset Account if a precipitation event diminishes the demand for water in Kansas. Further, Kansas may request a release from

the Offset Account of shorter duration than 7 days if it is made in conjunction with a consecutive release from the Kansas Section II Account.

3. Unless Kansas specifies otherwise, releases from Offset subaccounts will be made in the following order:

    A. Kansas Consumable Subaccount
    B. Kansas Storage Charge Subaccount
    C. Kansas Stateline Return Flows Subaccount
    D. Colorado Consumable Subaccount
    E. Stateline Return Flow Subaccount and Stateline Return Flow Transit Loss Subaccount

4. Kansas will use its best efforts to maximize the efficiency of Offset Account deliveries, including but not limited to, the release of Kansas Storage Charge water in conjunction with water released from other subaccounts.

JOINTLY APPROVED: 9-30-2005

/s/ Hal D. Simpson_

Hal D. Simpson

Colorado State Engineer

/s/ David L. Pope

David L. Pope

Kansas Chief Engineer

/s/ David W. Robbins

David W. Robbins

Special Assistant to the Colorado Attorney General

/s/ John B. Draper

John B. Draper

Special Assistant to the Kansas Attorney General

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

July 1, 2021 AMENDED June 28,2021

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) will deliver fully consumable water from their X-Y Canal Section II Account to the Offset Account (Colorado Downstream Consumable Subaccount) 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 occur on Tuesday, June 29th, 2021.

The purpose of this transfer is to make up the shortfall of 62 acre-feet that resulted in the final evaluation of the 10 year rolling average after the HI-Model run for 2020 was complete pursuant to **Appendix A.1 Compact Compliance and Repayment Accounting Procedures**. A total of 76.61 acre-feet will be transferred to the Colorado Downstream Consumable Subaccount including transit loss and evaporation charges as determined pursuant to Appendix A.1 (see attached calculation sheet). In order to ensure proper return flow maintenance a total of 125.80 acre-feet will be transferred from the X-Y Section II Account to the following Subaccounts:

Colorado Downstream Consumable Water Subaccount	Approximately 76.61 acre-feet
Return Flow Subaccount	43.40 acre-feet
Return Flow Transit Loss Subaccount	4.03 acre-feet
In-State Return Flow to Buffalo Section II Account	1.76 acre-feet

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

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: Appendix A.1, Calculation Sheets

June 29, 2021 Offset Acct Transfer

Amount of Water Transfer From Keesee, Sisson, Stubbs & XY Article II Accounts =	125.80	AF	JMAS Account
CU Water to "Offset Account-Consumable-DownStrem "53" =	76.61	AF	53
CU Water to "Offset Account-Consumable-KansasCharge "55" =	0.00	AF	55
Return Flows To Stateline =	47.43	AF	
Return Flows To Fort Bent Ditch =	0.00	AF	37
Return Flows To Amity Canal "38" =	0.00	AF	38
Return Flows To Lamar Canal "39" =	0.00	AF	39
Return Flows To Buffalo Canal "43" =	1.76	AF	43
Release to Buffalo Winter Water Storage Acct. "43"=	0.00	AF	43
CU to "River" =	0.00	AF	
Total =	125.80	AF	
Stateline Return Flows =	43.40	AF	(57)
Stateline Return Flow Transit Loss =	4.03	AF	(58)
	47.43	AF	

Transfers

		Transfers Out	Transfers In
Keesee (Summer Stored & Current Winter)	9 & 36	0.00	
Sisson (Summer Stored & Current Winter)	17 & 44	0.00	
Stubbs (Summer Stored)	60	0.00	
Amity (Current Winter)	38		0.00
Lamar (Current Winter)	39		0.00
Ft Bent (Current Winter)	37		0.00
Stateline (Offset Return Flow)	57		43.40
Stateline (Offset Return Flow-RF Transit Loss)	58		4.03
Buffalo (Current Winter)	43		1.76
Offset Account-Consumable-DownStrem	53		76.61
Offset Account-Consumable-KansasCharge	55		0.00
X-Y (Summer Stored)	15	125.80	
		125.80	125.80

CU Released to River

		Release	Transfers In
Keesee (Summer Stored)	9	0.00	
X-Y (Summer Stored)	15	0.00	
		0.00	0.00

APPENDIX A.1

COMPACT COMPLIANCE AND REPAYMENT ACCOUNTING PROCEDURES

1. Introduction

The Annual Calculations to determine Compact compliance with respect to Groundwater Pumping in accordance with this Judgment and Decree ("Decree") shall start with the annual results of H-I Model runs using the procedures set forth in Appendix B of this Decree and credits for deliveries of water released from the Offset Account and evaporation from the Offset Account determined in accordance with Appendix F of this Decree. Accumulation of accretions shall be limited as described in Appendix D of this Decree.

2. Ten-Year Accounting

Each year, after completion of H-I Model runs for the annual update to the H-I Model in accordance with the schedule and procedures described in Appendix B of this Decree and calculations to determine Offset Account credits and accretion limits, not later than March 31, Colorado shall provide Kansas, using the form of the attached Table 1, its H-I Model results for the preceding year and its calculation of Offset Account delivery and evaporation credits, including the results from the immediately preceding nine years, which shall be summed as shown on Table 1 including its determination of any Shortfall (Colorado Shortfall). If there is a Shortfall, Colorado shall submit a description of sources designated for making up the Shortfall by April 1 in a form consistent with the attached Table 2 as more particularly described in Appendix A.2 of this Decree, to be supplemented with additional sources as they are designated. Not later than May 15 of each year, Kansas shall provide Colorado with results, including its determination of any Shortfall (Kansas Shortfall), using the same form, if they differ from the results and calculation by Colorado.

By June 1, the States shall seek agreement to the accounting using the form of the attached Table 1. If the States have not reached agreement on the accounting by June 1, the dispute shall be submitted to the Dispute Resolution Procedure as set forth in Appendix H of this Decree as a Fast Track Issue, with the period for expert meetings and discussion beginning on June 15.

If Colorado's ten-year accounting shows a Shortfall, then Colorado shall make up the Shortfall by June 1, in addition to current-year replacement requirements as demonstrated in Appendix A.2 of this Decree, and implemented as described in Section 4 or Section 5 of this Appendix, whichever is applicable.

If Kansas' ten-year accounting on May 15 shows a different result with which Colorado does not agree, a Provisional Incremental Shortfall will be determined, unless the Kansas Shortfall is smaller. If the Kansas Shortfall is greater, the Provisional Incremental Shortfall will be determined as follows. The Provisional Incremental Shortfall will be determined using one of the three following conditions: (1) If both States have calculated a Shortfall and if the difference

in results is 1,000 acre-feet (AF) or less, the Provisional Incremental Shortfall will be half of the difference of both States' positions; (2) If both States have calculated a Shortfall and the difference in results is larger than 1,000 AF, the Provisional Incremental Shortfall will be 500 AF plus 25% of the difference that is more than 1,000 AF; or (3) If one State has calculated an accretion to Usable Stateline Flow and the other State has calculated a Shortfall, the Provisional Incremental Shortfall will be 50% of a calculated Shortfall that is less than or equal to 1,000 AF and will be 500 AF plus 25% of any of the calculated Shortfall that is over 1,000 AF. The Provisional Incremental Shortfall will be quantified on May 15 and that value will be provided to Colorado by Kansas with the Kansas ten-year accounting. The Colorado Shortfall and the Provisional Incremental Shortfall amount will be delivered to Kansas by June 1 as described in Section 4 or Section 5 of this Appendix, whichever is applicable.

Once the ten-year accounting is finalized by agreement or dispute resolution, if additional water to make up a Shortfall (Shortfall Makeup) is required above the Colorado Shortfall plus the Provisional Incremental Shortfall amount, it shall be delivered to Kansas within 45 days as described in Section 4 or Section 5 of this Appendix, whichever is applicable.

Notwithstanding the foregoing, unless the States otherwise agree, when final crop statistics become available, the States shall make revised H-I Model runs based on the final crop statistics. The revised H-I Model results shall be used in place of the earlier H-I Model results and a revised Table 1 shall be used to determine the final accounting for that year and shall be used in subsequent ten-year accounting. If the revised result of the ten-year accounting indicates a greater Shortfall than previously determined, then Colorado will deliver to Kansas the additional Shortfall within 45 days as described in Section 4 or Section 5 of this Appendix, whichever is applicable.

3. Determining Adequacy of Replacement Requirements

The Colorado State Engineer shall demonstrate to the Kansas Chief Engineer, in accordance with the provisions of Appendix A.2 of this Decree, that Colorado has sufficient water to provide for replacement obligations for the current year as well as water needed to make up any Shortfall.

4. Making up a Shortfall if the Offset Account Exists

If the Offset Account exists, the agreed upon Shortfall, or if there is a dispute, the Colorado Shortfall and the Provisional Incremental Shortfall, determined in accordance with the methodology set forth in Section 2 of this Appendix, along with its estimated transit loss and pre-funded evaporation, shall be delivered to the Colorado Consumable Subaccounts of the Offset Account by June 1, less water existing in either the Kansas Consumable Subaccount or the Colorado Consumable Subaccounts that is not designated for current-year replacement requirements.

If the Offset Account exists, any additional Shortfall Makeup required from a subsequent final determination by agreement or dispute resolution, or additional Shortfall Makeup required as a result of the revised H-I Model run based on final crop statistics, determined in accordance with

the methodology set forth in Section 2 of this Appendix, along with its estimated transit loss and pre-funded evaporation, shall be delivered to the Colorado Consumable Subaccounts of the Offset Account within 45 days and shall not be transferred to the Kansas Consumable Subaccount until the next succeeding July 1.

Notice of Shortfall Delivery: Paragraph 3 of the Offset Account Resolution (Appendix L of this Decree) provides that the Colorado State Engineer is to provide "timely notice" to the Kansas Chief Engineer of deliveries to the Offset Account. For the purposes of delivering water to make up a Shortfall, timely, prior notice shall be given of a delivery for this purpose as soon as practicable after Colorado has determined the source of the water to be delivered. Colorado will provide notice including the amount of water, the purpose for which the water is delivered, the time of delivery, rate of delivery, the extent to which the water is fully consumable, and the quantity, timing, and location of any associated return flows.

To the extent space is not available in the Offset Account, Colorado shall notify the Kansas Chief Engineer of that fact. Colorado shall deliver the remaining water to make up the Shortfall as space becomes available in the Offset Account, with prior notice to the Kansas Chief Engineer, or at a later time if agreed to by the Colorado State Engineer and the Kansas Chief Engineer.

Estimated Transit Loss: Water transferred or delivered to the Offset Account shall include an amount for estimated transit losses to deliver the water from the Offset Account to the Stateline. The expected transit loss shall be computed annually based on the volumetrically-weighted average transit loss of Offset Account deliveries over the last three years in which Offset Account deliveries were made. The volumetrically-weighted average transit loss shall be based on total volumes released from all subaccounts of the Offset Account during the releases and on their deliveries as determined by the Offset Account Crediting Agreement (Appendix F.2 of this Decree).

Pre-Funded Evaporation: Water transferred or delivered to the Offset Account shall include an amount for pre-funded evaporation while Colorado is responsible for the evaporation on the Shortfall Makeup. To determine the pre-funded evaporation amount the following quantities should be summed:

- Shortfall Makeup determined herein, and
- Estimated transit loss determined above.

For this amount of water, the amount of pre-funded evaporation will be determined using the evaporation rates and the John Martin Reservoir contents in Table A below applied from the date of the transfer or delivery until July 1. Partial deliveries will be calculated in the same manner, from date of delivery to July 1.

Table A: Evaporation rates to determine pre-funded quantity to be delivered with Shortfall Makeup based on daily John Martin Reservoir Accounting from the John Martin Accounting System (JMAS) for Compact Years 1980 through 2004.

Month	Evaporation Rate (AF evap per AF total contents per day)	
	JMR Content less than 77,000 AF as of April 1	JMR Content greater than 77,000 AF of April 1
January	0.00016	0.00013
February	0.00042	0.00025
March	0.00102	0.00061
April	0.00163	0.00085
May	0.00238	0.00113
June	0.00266	0.00145
July	0.00306	0.00164
August	0.00264	0.00149
September	0.00213	0.00127
October	0.00141	0.00084
November	0.00059	0.00041
December	0.00034	0.00024

If on July 1 the actual amount of evaporation is greater than estimated and if there is not water available in the Colorado Consumable Subaccounts to deliver the entire Shortfall Makeup and estimated transit loss, then Colorado shall make an additional transfer or delivery to the Kansas Consumable Subaccount within 30 days of July 1 to make up the difference, provided that Kansas has not taken delivery of the Kansas Consumable Subaccount.

Assignment of Shortfall Evaporation: Evaporation from Shortfall Makeup water shall be assigned under the provisions of the Offset Account Resolution (Appendix L of this Decree) and the Offset Account Crediting Agreement (Appendix F.2 of this Decree). No earlier than March 31, based upon its annual update to the H-I Model in accordance with the procedure set forth in Section 2 of this Appendix, Colorado shall provide notice to Kansas for any water already residing in the Colorado Consumable Subaccounts of the Offset Account that is intended to be used for Shortfall Makeup, and 30 days after that notice the water shall be transferred to the Kansas Consumable Subaccount. For any Shortfall Makeup not yet delivered to the Offset Account, Colorado will provide notice of delivery for additional water to the Colorado Consumable Subaccount(s) that is intended to be used for Shortfall Makeup and such water will be transferred to the Kansas Consumable Subaccount 30 days after the last delivery day of the water delivered under that notice.

Comparison of Transit Loss: When the Offset Account includes Shortfall Makeup, a comparison between the estimated transit loss (as a percentage) and the actual transit loss (as a percentage) will be made based on the next Offset Account release after June 1 that includes any consumable subaccount water. This comparison is to assure that the estimated transit loss provided with the Shortfall Makeup was sufficient. The actual transit loss on the Offset Account

release will be determined based on the entire volume of that release using the Offset Account Crediting Agreement (Appendix F.2 of this Decree). If the actual transit loss is more than the estimated transit loss, then Colorado shall make an additional delivery to the Colorado Consumable Subaccount(s) of the Offset Account within 45 days of the end of the delivery based on the transit loss percentage difference times the amount of the Shortfall and shall not be transferred to the Kansas Consumable Subaccount until the next succeeding July 1.

For purposes of subsequent ten-year accounting, Colorado shall receive credit for deliveries to make up a Shortfall in the same manner as other Offset Account deliveries. These shall be included in column 4 of Table 1.

5. Current-Year Replacement and Shortfall Makeup if the Offset Account Does Not Exist

The States have agreed that they will not exercise their right to terminate the Offset Account prior to January 1, 2013, and that they will commence work not later than September 30, 2010, on an agreement as to how credit for direct deliveries of water to the Stateline for replacement of depletions to usable Stateline flow and to make up a Shortfall shall be determined if the Offset Account does not exist after December 31, 2012. See Appendix A.4 of this Decree.

6. Substitute Water Supply Plans And Colorado Water Court Decrees For Post-1985 Depletions

Accounting for substitute water supply plans and Colorado Water Court decrees for post-1985 depletions will be determined in accordance with the provisions of Appendix A.3 of this Decree.

Appendix A.1
Table 1

An illustrative example showing a ten-year accounting done in 2007 resulting in a 1997 - 2006 Shortfall, using the concept embodied in Colorado Exhibit 1459 for years 3 through 12

Ten-Year Accounting of Depletions and Accretions to Usable Stateline Flow 1997 – 2006								
1	2	3	4	5	6	7	8	9
Year of Ten-year Cycle	Model Year	H-I Model Usable Depletion/ Accretion[1]	Offset Account Credits[2]					Remaining Usable Depletion/ Accretion[6]
			Stateline Delivery to Kansas	Evaporation Credit	Gross Credit[3]	Applied to Post-1985 Depletions[4]	Net Credit[5]	
1	1997	-3000						-3000
2	1998	1000						1000
3	1999	2000						2000
4	2000	-1000						-1000
5	2001	2000						2000
6	2002	1000						1000
7	2003	2000						2000
8	2004	-2000						-2000
9	2005	-1000						-1000
10	2006	2000						2000
Total		3000						3000
		Shortfall for 2007						3000

Water quantities are in acre-feet.

[1] Positive values in Columns 3 and 9 reflect depletions; negative values, accretions.

[2] Positive values in Columns 4, 5, 6, and 8 reflect credits; negative values, debits.

[3] Column 6 is the sum of Columns 4 and 5.

[4] Column 7, a positive value, is the amount of Offset Credit applied to Post-1985 depletions, determined pursuant to Appendix A.3 of this Decree

[5] Column 8 is Column 6 minus Column 7

[6] Column 9 is Column 3 minus Column 8

Appendix A.1
Table 2

An Illustrative Example for 2007 due to a 1997-2006 Shortfall

Table 2: Sources of Water Designated for Shortfall Makeup						
Replacement Source	Reservoir or Location	Amount[1]	Estimated Transit Loss to Deliver to Offset Account	Estimated Evaporation	Estimated Transit Loss to Stateline	Net Amount Available for Shortfall Makeup
		(AF)	(AF)	(AF)	(AF)	(AF)
Offset Account Upstream Consumable (AGUA-CWPDA)	John Martin Reservoir	74	0	5	15	54
Offset Account Downstream Consumable (LAWMA)	John Martin Reservoir	1520	0	78	317	1125
Offset Account Kansas Consumable	John Martin Reservoir	0	0	0	0	0
Offset Account Pending Evaporation Credits (LAWMA)	John Martin Reservoir	30	0	0	7	23
Section II Consumable (LAWMA)	John Martin Reservoir	1151	0	59	240	852
Pueblo Board of Water Works Consumable (AGUA-CWPDA)	Pueblo Reservoir	850	85	39	160	566
Colorado Springs Consumable (CWPDA)	Lake Meredith	550	36	27	107	380
Offset Account Upstream Consumable (AGUA-CWPDA)	John Martin Reservoir	74	0	5	15	54
	Totals	4249	121	213	861	3054
Remaining Shortfall						0

[1]Source: Appendix A.2, Exhibit 1. Replacement Supply designated for Shortfall makeup and not available to replace current year pumping depletions.

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

August 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Dear Mr. Lewis,

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 2021 in detail following the initial notice for each transaction originally sent to Kansas.

March 7, 2021 transfer:
The Colorado Water Protective and Development Association (CWPDA) transferred **18.07 acre-feet** of consumable water from the Offset Account to undistributed Conservation Storage in John Martin Reservoir on March 7, 2021.

In order to accomplish the foregoing, a total of **18.07 acre-feet** of water was transferred from the Consumable Upstream CWPDA subaccount to the Conservation Storage – Winter Water account to cover the Catlin Augmentation Association's (CAA) return flow obligation prescribed in Case No. 12CW94. A daily accounting sheet for John Martin Reservoir for March 7, 2021 is included in Enclosure 1.

March 8, 2021 transfer:
The Colorado Water Protective and Development Association (CWPDA) transferred **500.0 acre-feet** of consumable water from the Offset Account to undistributed Conservation Storage in John Martin Reservoir on March 8, 2021.

In order to accomplish the foregoing, a total of **500.0 acre-feet** of water was transferred from the Consumable Upstream CWPDA subaccount to the Conservation Storage – Winter Water account to cover depletions to conservation storage by CWPDA Rule 14 plan operations. A daily accounting sheet for John Martin Reservoir for March 8, 2021 is included in Enclosure 2.

Summary
This letter summarizes the deliveries and both of the transfers to the Offset Account for CWPDA during 2021 to date. The total amount of water transferred out of the Offset Account on the above dates was 518.07 acre-feet. Total consumable water transferred out was **518.07 acre-feet.** Please contact me if you have any questions or require additional information.

Sincerely,

Bill W. Tyner

Bill W. Tyner, P.E.
Division Engineer
Colorado Division of Water Resources

Enclosures (2)

cc: Kevin Salter
Dale Book
Joe Regur
Rachel Duran
Rachel Zancanella
Dan Steuer
Kent Ricken
Daniel Tucker
Bethany Arnold

Enclosure 1

John Martin Reservoir Accounting for March 7, 2021

Acct		Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage									
City									
City/LAMAR		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
Summer Compact		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact		3/7/2021	11,010.11	149.59	18.07	0.00	0.00	8.89	11,168.88
Other Water									
Winter Water Holding Acc		3/7/2021	10,070.79	204.52	0.00	71.58	0.00	8.16	10,195.57
D67 Winter Water Storage		3/7/2021	1,545.03	0.00	48.14	0.00	0.00	1.25	1,591.92
Pool									
Permanent Pool		3/7/2021	5,088.91	0.00	0.00	0.00	0.00	4.12	5,084.79
Flood Pool		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	**Totals:**		**27,714.84**	**354.11**	**66.21**	**71.58**	**0.00**	**22.42**	**28,041.16**
Agreement									
InterState									
Kansas	Kansas	3/7/2021	2,182.04	0.00	22.06	0.00	0.00	1.77	2,202.33
Transit Loss		3/7/2021	1,700.00	0.00	1.38	0.00	0.00	1.38	1,700.00
Section III									
Amity		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft. Lyon		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Las Animas		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Prev Winter Stored	Keesee	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Ft Bent	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Amity	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Lamar	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Hyde	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	X-Y	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Buffalo	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Sisson	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Stubbs	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Crnt Winter Stored	Keesee	3/7/2021	140.53	0.00	0.00	0.00	0.00	0.11	140.42
Crnt Winter Stored	Ft Bent	3/7/2021	10.31	0.00	0.00	0.00	0.00	0.01	10.30
Crnt Winter Stored	Amity	3/7/2021	229.28	0.00	0.00	0.00	0.00	0.19	229.09
Crnt Winter Stored	Lamar	3/7/2021	27.52	0.00	0.00	0.00	0.00	0.02	27.50
Crnt Winter Stored	Hyde	3/7/2021	266.76	0.00	0.00	0.00	0.00	0.22	266.54
Crnt Winter Stored	X-Y	3/7/2021	1,045.80	0.00	0.00	0.00	0.00	0.85	1,044.95
Crnt Winter Stored	Buffalo	3/7/2021	1,793.19	0.00	0.00	0.00	0.00	1.45	1,791.74
Crnt Winter Stored	Sisson	3/7/2021	57.63	0.00	0.00	0.00	0.00	0.05	57.58
Crnt Winter Stored	Stubbs	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Manvel	3/7/2021	253.21	0.00	0.00	0.00	0.00	0.21	253.00
Crnt Winter Stored	Manvel	3/7/2021	253.22	0.00	0.00	0.00	0.00	0.21	253.01
CO Sec II									
Summer Stored	Keesee	3/7/2021	2,274.81	0.00	0.00	0.00	0.00	1.84	2,272.97
Summer Stored	Ft Bent	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Amity	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Lamar	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Hyde	3/7/2021	1,541.42	0.00	0.00	0.00	0.00	1.25	1,540.17
Summer Stored	X-Y	3/7/2021	5,724.42	0.00	0.00	0.00	0.00	4.64	5,719.78
Summer Stored	Buffalo	3/7/2021	3,969.72	0.00	0.00	0.00	0.00	3.22	3,966.50
Summer Stored	Sisson	3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Stubbs	3/7/2021	24.96	0.00	0.00	0.00	0.00	0.02	24.94
Summer Stored	Manvel	3/7/2021	2,407.73	0.00	0.00	0.00	0.00	1.95	2,405.78
Summer Stored	Manvel	3/7/2021	2,218.40	0.00	0.00	0.00	0.00	1.80	2,216.60
Agreement	**Totals:**		**26,120.95**	**0.00**	**23.44**	**0.00**	**0.00**	**21.19**	**26,123.20**
OffsetAccount									
Consumable									
Upstream	LAWMA	3/7/2021	328.45	0.00	0.00	0.00	0.00	0.27	328.18
Upstream	CWPDA	3/7/2021	1,131.29	0.00	0.00	18.07	0.00	0.92	1,112.30
Consumable									
Downstream		3/7/2021	2,659.44	0.00	0.00	0.00	0.00	2.15	2,657.29
Kansas		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge		3/7/2021	172.88	0.00	0.00	0.00	0.00	0.14	172.74
ReturnFlow									
Return Flow		3/7/2021	30.40	0.00	0.00	0.00	0.00	0.02	30.38
RF Transit Loss		3/7/2021	1.75	0.00	0.00	0.00	0.00	0.00	1.75
Keesee Winter		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount	**Totals:**		**4,324.21**	**0.00**	**0.00**	**18.07**	**0.00**	**3.50**	**4,302.64**
Colorado									
Totals		3/7/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado	**Totals:**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	**Totals:**		**58,160.00**	**354.11**	**89.65**	**89.65**	**0.00**	**47.11**	**58,467.00**
Colorado Article II Summary									
	Keesee	3/7/2021	2,415.34	0.00	0.00	0.00	0.00	1.95	2,413.39
	Ft Bent	3/7/2021	10.31	0.00	0.00	0.00	0.00	0.01	10.30
	Amity	3/7/2021	229.28	0.00	0.00	0.00	0.00	0.19	229.09
	Lamar	3/7/2021	27.52	0.00	0.00	0.00	0.00	0.02	27.50
	Hyde	3/7/2021	1,808.18	0.00	0.00	0.00	0.00	1.47	1,806.71
	X-Y	3/7/2021	6,770.22	0.00	0.00	0.00	0.00	5.49	6,764.73
	Buffalo	3/7/2021	5,762.91	0.00	0.00	0.00	0.00	4.67	5,758.24
	Sisson	3/7/2021	57.63	0.00	0.00	0.00	0.00	0.05	57.58
	Stubbs	3/7/2021	24.96	0.00	0.00	0.00	0.00	0.02	24.94
	Manvel	3/7/2021	5,132.56	0.00	0.00	0.00	0.00	4.17	5,128.39
	Colorado Article II	**Totals:**	**22,238.91**	**0.00**	**0.00**	**0.00**	**0.00**	**18.04**	**22,220.87**

Enclosure 2

John Martin Reservoir Accounting for March 8, 2021

Acct		Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage									
City									
City/LAMAR		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
Summer Compact		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact		3/8/2021	11,168.88	187.88	500.00	0.00	0.00	9.02	11,847.74
Other Water									
Winter Water Holding Acc		3/8/2021	10,195.57	207.34	0.00	72.57	0.00	8.23	10,322.11
D67 Winter Water Storage		3/8/2021	1,591.92	0.00	48.82	0.00	0.00	1.29	1,639.45
Pool									
Permanent Pool		3/8/2021	5,084.79	0.00	0.00	0.00	0.00	4.11	5,080.68
Flood Pool		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	**Totals:**		**28,041.16**	**395.22**	**548.82**	**72.57**	**0.00**	**22.65**	**28,889.98**
Agreement									
InterState									
Kansas	Kansas	3/8/2021	2,202.33	0.00	22.38	0.00	0.00	1.78	2,222.93
Transit Loss		3/8/2021	1,700.00	0.00	1.37	0.00	0.00	1.37	1,700.00
Section III									
Amity		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft. Lyon		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Las Animas		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Prev Winter Stored	Keesee	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Ft Bent	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Amity	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Lamar	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Hyde	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	X-Y	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Buffalo	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Sisson	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Stubbs	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Crnt Winter Stored	Keesee	3/8/2021	140.42	0.00	0.00	0.00	0.00	0.11	140.31
Crnt Winter Stored	Ft Bent	3/8/2021	10.30	0.00	0.00	0.00	0.00	0.01	10.29
Crnt Winter Stored	Amity	3/8/2021	229.09	0.00	0.00	0.00	0.00	0.19	228.90
Crnt Winter Stored	Lamar	3/8/2021	27.50	0.00	0.00	0.00	0.00	0.02	27.48
Crnt Winter Stored	Hyde	3/8/2021	266.54	0.00	0.00	0.00	0.00	0.22	266.32
Crnt Winter Stored	X-Y	3/8/2021	1,044.95	0.00	0.00	0.00	0.00	0.84	1,044.11
Crnt Winter Stored	Buffalo	3/8/2021	1,791.74	0.00	0.00	0.00	0.00	1.45	1,790.29
Crnt Winter Stored	Sisson	3/8/2021	57.58	0.00	0.00	0.00	0.00	0.05	57.53
Crnt Winter Stored	Stubbs	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Manvel	3/8/2021	253.00	0.00	0.00	0.00	0.00	0.20	252.80
Crnt Winter Stored	Manvel	3/8/2021	253.01	0.00	0.00	0.00	0.00	0.20	252.81
CO Sec II									
Summer Stored	Keesee	3/8/2021	2,272.97	0.00	0.00	0.00	0.00	1.84	2,271.13
Summer Stored	Ft Bent	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Amity	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Lamar	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Hyde	3/8/2021	1,540.17	0.00	0.00	0.00	0.00	1.24	1,538.93
Summer Stored	X-Y	3/8/2021	5,719.78	0.00	0.00	0.00	0.00	4.62	5,715.16
Summer Stored	Buffalo	3/8/2021	3,966.50	0.00	0.00	0.00	0.00	3.20	3,963.30
Summer Stored	Sisson	3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Stubbs	3/8/2021	24.94	0.00	0.00	0.00	0.00	0.02	24.92
Summer Stored	Manvel	3/8/2021	2,405.78	0.00	0.00	0.00	0.00	1.94	2,403.84
Summer Stored	Manvel	3/8/2021	2,216.60	0.00	0.00	0.00	0.00	1.79	2,214.81
Agreement	**Totals:**		**26,123.20**	**0.00**	**23.75**	**0.00**	**0.00**	**21.09**	**26,125.86**
OffsetAccount									
Consumable									
Upstream	LAWMA	3/8/2021	328.18	0.00	0.00	0.00	0.00	0.27	327.91
Upstream	CWPDA	3/8/2021	1,112.30	0.00	0.00	500.00	0.00	0.90	611.40
Consumable									
Downstream		3/8/2021	2,657.29	0.00	0.00	0.00	0.00	2.15	2,655.14
Kansas		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge		3/8/2021	172.74	0.00	0.00	0.00	0.00	0.14	172.60
ReturnFlow									
Return Flow		3/8/2021	30.38	0.00	0.00	0.00	0.00	0.02	30.36
RF Transit Loss		3/8/2021	1.75	0.00	0.00	0.00	0.00	0.00	1.75
Keesee Winter		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount	**Totals:**		**4,302.64**	**0.00**	**0.00**	**500.00**	**0.00**	**3.48**	**3,799.16**
Colorado									
Totals		3/8/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado	**Totals:**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	**Totals:**		**58,467.00**	**395.22**	**572.57**	**572.57**	**0.00**	**47.22**	**58,815.00**
Colorado Article II Summary									
	Keesee	3/8/2021	2,413.39	0.00	0.00	0.00	0.00	1.95	2,411.44
	Ft Bent	3/8/2021	10.30	0.00	0.00	0.00	0.00	0.01	10.29
	Amity	3/8/2021	229.09	0.00	0.00	0.00	0.00	0.19	228.90
	Lamar	3/8/2021	27.50	0.00	0.00	0.00	0.00	0.02	27.48
	Hyde	3/8/2021	1,806.71	0.00	0.00	0.00	0.00	1.46	1,805.25
	X-Y	3/8/2021	6,764.73	0.00	0.00	0.00	0.00	5.46	6,759.27
	Buffalo	3/8/2021	5,758.24	0.00	0.00	0.00	0.00	4.65	5,753.59
	Sisson	3/8/2021	57.58	0.00	0.00	0.00	0.00	0.05	57.53
	Stubbs	3/8/2021	24.94	0.00	0.00	0.00	0.00	0.02	24.92
	Manvel	3/8/2021	5,128.39	0.00	0.00	0.00	0.00	4.13	5,124.26
Colorado Article II	**Totals:**		**22,220.87**	**0.00**	**0.00**	**0.00**	**0.00**	**17.94**	**22,202.93**

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

August 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Dear Mr. Lewis,

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 2021 in detail following the initial notice for each transaction originally sent to Kansas.

March 31, 2021 transfer:
The Lower Arkansas Water Management Association (LAWMA) transferred **544.26 acre-feet** of consumable water to the Offset Account on March 31, 2021 in order to complete the initial storage charge for 2021-22. A portion of the storage charge had been prepaid by LAWMA and the transfer provided the balance of the 500 acre-feet owed. This total was broken into the following components:

- The Kansas Charge subaccount received 472.92 acre-feet.
- The Return Flow Transit Loss Subaccount received 3.67 acre-feet.
- The Return Flow Subaccount received 67.67 acre-feet.

In order to accomplish the foregoing, a total of **544.26 acre-feet** of water was transferred from LAWMA's Keesee Article II account. A daily accounting sheet for John Martin Reservoir for March 31, 2021 is included in Enclosure 1.

June 27, 2021 transfer:
The Lower Arkansas Water Management Association (LAWMA) transferred a total of **309.52 acre-feet** of water to the Offset Account on June 27, 2021. This transfer was coupled with an in-state replacement release by LAWMA of the consumable portion of the X-Y Section II water. This total was broken into the following components:

- The Return Flow Transit Loss subaccount received 26.27 acre-feet.
- The Return Flow subaccount received 283.25 acre-feet.

In Order to accomplish the foregoing, a total of 321.01 acre-feet of water was transferred from LAWMA's X-Y Article II account with the balance not transferred to the Offset Account representing return flows transferred to various Colorado Ditches. A daily accounting sheet for John Martin Reservoir for June 27, 2021 is included in Enclosure 2.

June 28, 2021 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred a total of **2,224.10 acre-feet** of water to the Offset Account on June 28, 2021. This total was broken into the following components:

- The Consumable Downstream subaccount received 1,741.04 acre-feet.
- The Return Flow Transit Loss subaccount received 40.85 acre-feet.
- The Return Flow subaccount received 442.21 acre-feet.

In Order to accomplish the foregoing, a total of 2,734.30 acre-feet of water was transferred from LAWMA's Keesee, Sisson, Stubbs, and X-Y Article II account with the balance not transferred to the Offset Account representing return flows transferred to various Colorado Ditches. A daily accounting sheet for John Martin Reservoir for June 28, 2021 is included in Enclosure 3.

June 29, 2021 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred a total of **124.04 acre-feet** of water to the Offset Account on June 29, 2021. This transfer was to provide for the shortfall in the Ten Year Accounting result agreed to by Kansas and Colorado during the H-I Model review for the 2020 update. The consumable portion includes the shortfall amount plus transit losses and evaporation losses as appropriate pursuant to Appendix A.1 of the decree in Kansas v. Colorado. This total was broken into the following components:

- The Consumable Downstream subaccount received 76.61 acre-feet.
- The Return Flow Transit Loss subaccount received 4.03 acre-feet.
- The Return Flow subaccount received 43.40 acre-feet.

In Order to accomplish the foregoing, a total of 2,734.30 acre-feet of water was transferred from LAWMA's X-Y Article II account with the balance not transferred to the Offset Account representing return flows transferred to various Colorado Ditches. A daily accounting sheet for John Martin Reservoir for June 29, 2021 is included in Enclosure 4.

Summary

This letter summarizes the deliveries and transfers to the Offset Account for LAWMA during 2021 to date, not including deliveries by the Highland Canal, Fort Lyon Canal or Keesee Ditch, which will be reported at the end of the season via separate letters. The total amount of water transferred and delivered to the Offset Account on the above dates was **3,201.92 acre-feet**. Total consumable water delivered was **2,290.57 acre-feet** and total return flow water delivered was **836.53 acre-feet**. The Return Flow Transit Loss Subaccount total was **74.82 acre-feet**.

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

Sincerely,

Bill W. Tyner

Bill W. Tyner, P.E.
Division Engineer
Colorado Division of Water Resources

Enclosures (4)

cc: Kevin Salter
Dale Book
Joe Regur
Rachel Duran
Rachel Zancanella
Dan Steuer
Don Higbee
Randy Hendrix
Ayrton Hendrix
Bethany Arnold

Enclosure 1

John Martin Reservoir Accounting for March 31, 2021

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
City/LAMAR	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	3/31/2021	16,070.66	23.41	0.00	0.00	0.00	16.17	16,077.90
Other Water								
Winter Water Holding Account	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D67 Winter Water Storage Charge	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	3/31/2021	4,993.21	0.00	0.00	0.00	0.00	5.02	4,988.19
Flood Pool	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	**Totals:**	**21,063.87**	**23.41**	**0.00**	**0.00**	**0.00**	**21.19**	**21,066.09**
Agreement								
InterState								
Kansas Kansas	3/31/2021	2,347.27	0.00	0.00	0.00	0.00	2.36	2,344.91
Transit Loss	3/31/2021	1,680.10	0.00	0.00	0.00	0.00	1.69	1,678.41
Section III								
Amity	3/31/2021	5,271.08	0.00	0.00	0.00	0.00	5.30	5,265.78
Ft. Lyon	3/31/2021	5,153.61	0.00	0.00	0.00	0.00	5.18	5,148.43
Las Animas	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II								
Prev Winter Stored Keesee	3/31/2021	0.00	0.00	227.21	0.00	0.00	0.00	227.21
Prev Winter Stored Ft Bent	3/31/2021	0.00	0.00	417.11	0.00	0.00	0.00	417.11
Prev Winter Stored Amity	3/31/2021	0.00	0.00	332.40	0.00	0.00	0.00	332.40
Prev Winter Stored Lamar	3/31/2021	0.00	0.00	857.84	0.00	0.00	0.00	857.84
Prev Winter Stored Hyde	3/31/2021	0.00	0.00	312.02	0.00	0.00	0.00	312.02
Prev Winter Stored X-Y	3/31/2021	0.00	0.00	1,223.46	0.00	0.00	0.00	1,223.46
Prev Winter Stored Buffalo	3/31/2021	0.00	0.00	2,088.25	0.00	0.00	0.00	2,088.25
Prev Winter Stored Sisson	3/31/2021	0.00	0.00	103.15	0.00	0.00	0.00	103.15
Prev Winter Stored Stubbs	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	3/31/2021	0.00	0.00	341.54	0.00	0.00	0.00	341.54
Prev Winter Stored Manvel Return	3/31/2021	0.00	0.00	248.19	0.00	0.00	0.00	248.19
CO Sec II								
Crnt Winter Stored Keesee	3/31/2021	227.44	0.00	0.00	227.21	0.00	0.23	0.00
Crnt Winter Stored Ft Bent	3/31/2021	395.53	0.00	22.06	417.11	0.00	0.40	0.08
Crnt Winter Stored Amity	3/31/2021	224.94	0.00	108.12	332.40	0.00	0.23	0.43
Crnt Winter Stored Lamar	3/31/2021	797.83	0.00	61.05	857.84	0.00	0.80	0.24
Crnt Winter Stored Hyde	3/31/2021	312.33	0.00	0.00	312.02	0.00	0.31	0.00
Crnt Winter Stored X-Y	3/31/2021	1,224.69	0.00	0.00	1,223.46	0.00	1.23	0.00
Crnt Winter Stored Buffalo	3/31/2021	2,090.35	0.00	0.00	2,088.25	0.00	2.10	0.00
Crnt Winter Stored Sisson	3/31/2021	103.25	0.00	0.00	103.15	0.00	0.10	0.00
Crnt Winter Stored Stubbs	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored Manvel Consu	3/31/2021	341.88	0.00	0.00	341.54	0.00	0.34	0.00
Crnt Winter Stored Manvel Return	3/31/2021	248.44	0.00	0.00	248.19	0.00	0.25	0.00
CO Sec II								
Summer Stored Keesee	3/31/2021	2,232.04	0.00	0.00	735.49	0.00	2.24	1,494.31
Summer Stored Ft Bent	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	3/31/2021	1,512.42	0.00	0.00	0.00	0.00	1.52	1,510.90
Summer Stored X-Y	3/31/2021	5,616.79	0.00	0.00	0.00	0.00	5.65	5,611.14
Summer Stored Buffalo	3/31/2021	3,895.06	0.00	0.00	0.00	0.00	3.92	3,891.14
Summer Stored Sisson	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Stubbs	3/31/2021	24.48	0.00	0.00	0.00	0.00	0.02	24.46
Summer Stored Manvel Consumabl	3/31/2021	2,362.45	0.00	0.00	0.00	0.00	2.38	2,360.07
Summer Stored Manvel Return Flo	3/31/2021	2,176.67	0.00	0.00	0.00	0.00	2.19	2,174.48
Agreement	**Totals:**	**38,238.65**	**0.00**	**6,342.40**	**6,886.66**	**0.00**	**38.44**	**37,655.95**
OffsetAccount								
Consumable								
Upstream LAWMA	3/31/2021	322.29	0.00	0.00	0.00	0.00	0.32	321.97
Upstream CWPDA	3/31/2021	600.87	0.00	0.00	0.00	0.00	0.60	600.27
Consumable								
Downstream	3/31/2021	2,645.99	0.00	0.00	0.00	0.00	2.66	2,643.33
Kansas	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge	3/31/2021	169.66	0.00	472.92	0.00	0.00	0.17	642.41
ReturnFlow								
Return Flow	3/31/2021	29.92	0.00	67.67	0.00	0.00	0.03	97.56
RF Transit Loss	3/31/2021	1.75	0.00	3.67	0.00	0.00	0.00	5.42
Keesee Winter	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount	**Totals:**	**3,770.48**	**0.00**	**544.26**	**0.00**	**0.00**	**3.78**	**4,310.96**
Sediment								
	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sediment	**Totals:**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Colorado								
Totals	3/31/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado	**Totals:**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir		**Totals:**	**63,073.00**	**23.41**	**6,886.66**	**6,886.66**	**0.00**	**63.41**	**63,033.00**
Colorado Article II Summary									
	Keesee	3/31/2021	2,459.48	0.00	227.21	962.70	0.00	2.47	1,721.52
	Ft Bent	3/31/2021	395.53	0.00	439.17	417.11	0.00	0.40	417.19
	Amity	3/31/2021	224.94	0.00	440.52	332.40	0.00	0.23	332.83
	Lamar	3/31/2021	797.83	0.00	918.89	857.84	0.00	0.80	858.08
	Hyde	3/31/2021	1,824.75	0.00	312.02	312.02	0.00	1.83	1,822.92
	X-Y	3/31/2021	6,841.48	0.00	1,223.46	1,223.46	0.00	6.88	6,834.60
	Buffalo	3/31/2021	5,985.41	0.00	2,088.25	2,088.25	0.00	6.02	5,979.39
	Sisson	3/31/2021	103.25	0.00	103.15	103.15	0.00	0.10	103.15
	Stubbs	3/31/2021	24.48	0.00	0.00	0.00	0.00	0.02	24.46
	Manvel	3/31/2021	5,129.44	0.00	589.73	589.73	0.00	5.16	5,124.28
	Colorado Article II	**Totals:**	**23,786.59**	**0.00**	**6,342.40**	**6,886.66**	**0.00**	**23.91**	**23,218.42**

Enclosure 2

John Martin Reservoir Accounting for June 27, 2021

Acct		Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage									
City									
City/LAMAR		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
Summer Compact		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water									
Winter Water Holding Acc		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D67 Winter Water Storage		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool									
Permanent Pool		6/27/2021	4,742.71	6.31	0.00	0.00	0.00	5.26	4,743.76
Flood Pool		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage		**Totals:**	**4,742.71**	**6.31**	**0.00**	**0.00**	**0.00**	**5.26**	**4,743.76**
Agreement									
InterState									
Kansas	Kansas	6/27/2021	16,645.04	0.00	0.00	0.00	0.00	18.45	16,626.59
Transit Loss		6/27/2021	1,651.11	0.00	0.00	0.00	0.00	1.83	1,649.28
Section III									
Amity		6/27/2021	7,867.69	0.00	0.00	0.00	164.00	8.73	7,694.96
Ft. Lyon		6/27/2021	2,684.43	0.00	0.00	0.00	0.00	2.98	2,681.45
Las Animas		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Prev Winter Stored	Keesee	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Ft Bent	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Amity	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Lamar	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Hyde	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	X-Y	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Buffalo	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Sisson	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Stubbs	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Crnt Winter Stored	Keesee	6/27/2021	200.85	0.00	0.00	0.00	0.00	0.22	200.63
Crnt Winter Stored	Ft Bent	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Amity	6/27/2021	204.53	0.00	0.00	0.00	0.00	0.23	204.30
Crnt Winter Stored	Lamar	6/27/2021	1,606.02	0.00	0.00	0.00	0.00	1.78	1,604.24
Crnt Winter Stored	Hyde	6/27/2021	113.55	0.00	0.00	0.00	0.00	0.13	113.42
Crnt Winter Stored	X-Y	6/27/2021	445.38	0.00	0.00	0.00	0.00	0.49	444.89
Crnt Winter Stored	Buffalo	6/27/2021	742.30	0.00	11.49	0.00	0.00	0.82	752.97
Crnt Winter Stored	Sisson	6/27/2021	104.80	0.00	0.00	0.00	0.00	0.12	104.68
Crnt Winter Stored	Stubbs	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Manvel	6/27/2021	104.80	0.00	0.00	0.00	0.00	0.12	104.68
Crnt Winter Stored	Manvel	6/27/2021	104.80	0.00	0.00	0.00	0.00	0.12	104.68
CO Sec II									
Summer Stored	Keesee	6/27/2021	1,907.80	0.00	0.00	0.00	0.00	2.12	1,905.68
Summer Stored	Ft Bent	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Amity	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Lamar	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Hyde	6/27/2021	735.17	0.00	0.00	0.00	0.00	0.82	734.35
Summer Stored	X-Y	6/27/2021	6,961.97	0.00	0.00	321.01	0.00	7.73	6,633.23
Summer Stored	Buffalo	6/27/2021	4,753.38	0.00	0.00	0.00	108.19	5.28	4,639.91
Summer Stored	Sisson	6/27/2021	226.66	0.00	0.00	0.00	0.00	0.25	226.41
Summer Stored	Stubbs	6/27/2021	71.41	0.00	0.00	0.00	0.00	0.08	71.33
Summer Stored	Manvel	6/27/2021	2,628.04	0.00	0.00	0.00	0.00	2.92	2,625.12
Summer Stored	Manvel	6/27/2021	2,375.43	0.00	0.00	0.00	0.00	2.64	2,372.79
Agreement		**Totals:**	**52,135.16**	**0.00**	**11.49**	**321.01**	**272.19**	**57.86**	**51,495.59**
OffsetAccount									
Consumable									
Upstream	LAWMA	6/27/2021	291.45	0.00	0.00	0.00	0.00	0.32	291.13
Upstream	CWPDA	6/27/2021	543.41	0.00	0.00	0.00	0.00	0.60	542.81
Consumable									
Downstream		6/27/2021	1,458.60	26.66	0.00	0.00	341.55	1.62	1,142.09
Kansas		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow									
Return Flow		6/27/2021	0.00	0.00	283.25	0.00	283.25	0.00	0.00
RF Transit Loss		6/27/2021	4.79	0.00	26.27	0.00	0.00	0.01	31.05
Keesee Winter		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount		**Totals:**	**2,298.25**	**26.66**	**309.52**	**0.00**	**624.80**	**2.55**	**2,007.08**
Colorado									
Totals		6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado		**Totals:**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	**Totals:**		**59,176.12**	**32.97**	**321.01**	**321.01**	**896.99**	**65.67**	**58,246.43**
Colorado Article II Summary									
	Keesee	6/27/2021	2,108.65	0.00	0.00	0.00	0.00	2.34	2,106.31
	Ft Bent	6/27/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Amity	6/27/2021	204.53	0.00	0.00	0.00	0.00	0.23	204.30
	Lamar	6/27/2021	1,606.02	0.00	0.00	0.00	0.00	1.78	1,604.24
	Hyde	6/27/2021	848.72	0.00	0.00	0.00	0.00	0.95	847.77
	X-Y	6/27/2021	7,407.35	0.00	0.00	321.01	0.00	8.22	7,078.12
	Buffalo	6/27/2021	5,495.68	0.00	11.49	0.00	108.19	6.10	5,392.88
	Sisson	6/27/2021	331.46	0.00	0.00	0.00	0.00	0.37	331.09
	Stubbs	6/27/2021	71.41	0.00	0.00	0.00	0.00	0.08	71.33
	Manvel	6/27/2021	5,213.06	0.00	0.00	0.00	0.00	5.80	5,207.26
	Colorado Article II	**Totals:**	**23,286.89**	**0.00**	**11.49**	**321.01**	**108.19**	**25.87**	**22,843.31**

Enclosure 3

John Martin Reservoir Accounting for June 28, 2021

Acct		Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage									
City									
City/LAMAR		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
Summer Compact		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water									
Winter Water Holding Acc		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D67 Winter Water Storage		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool									
Permanent Pool		6/28/2021	4,743.76	6.36	0.00	0.00	0.00	4.57	4,745.55
Flood Pool		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage		**Totals:**	**4,743.76**	**6.36**	**0.00**	**0.00**	**0.00**	**4.57**	**4,745.55**
Agreement									
InterState									
Kansas	Kansas	6/28/2021	16,626.59	0.00	0.00	0.00	0.00	16.01	16,610.58
Transit Loss		6/28/2021	1,649.28	0.00	0.00	0.00	0.00	1.59	1,647.69
Section III									
Amity		6/28/2021	7,694.96	0.00	0.00	0.00	0.00	7.41	7,687.55
Ft. Lyon		6/28/2021	2,681.45	0.00	0.00	0.00	0.00	2.58	2,678.87
Las Animas		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Prev Winter Stored	Keesee	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Ft Bent	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Amity	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Lamar	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Hyde	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	X-Y	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Buffalo	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Sisson	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Stubbs	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Crnt Winter Stored	Keesee	6/28/2021	200.63	0.00	0.00	32.36	0.00	0.19	168.08
Crnt Winter Stored	Ft Bent	6/28/2021	0.00	0.00	58.09	0.00	0.00	0.00	58.09
Crnt Winter Stored	Amity	6/28/2021	204.30	0.00	284.62	0.00	164.00	0.20	324.72
Crnt Winter Stored	Lamar	6/28/2021	1,604.24	0.00	160.70	0.00	0.00	1.55	1,763.39
Crnt Winter Stored	Hyde	6/28/2021	113.42	0.00	0.00	0.00	0.00	0.11	113.31
Crnt Winter Stored	X-Y	6/28/2021	444.89	0.00	0.00	0.00	0.00	0.43	444.46
Crnt Winter Stored	Buffalo	6/28/2021	752.97	0.00	6.79	0.00	0.00	0.73	759.03
Crnt Winter Stored	Sisson	6/28/2021	104.68	0.00	0.00	15.81	0.00	0.10	88.77
Crnt Winter Stored	Stubbs	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Manvel	6/28/2021	104.68	0.00	0.00	0.00	0.00	0.10	104.58
Crnt Winter Stored	Manvel	6/28/2021	104.68	0.00	0.00	0.00	0.00	0.10	104.58
CO Sec II									
Summer Stored	Keesee	6/28/2021	1,905.68	0.00	0.00	1,903.84	0.00	1.84	0.00
Summer Stored	Ft Bent	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Amity	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Lamar	6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Hyde	6/28/2021	734.35	0.00	0.00	0.00	0.00	0.71	733.64
Summer Stored	X-Y	6/28/2021	6,633.23	0.00	0.00	485.10	50.00	6.39	6,091.74
Summer Stored	Buffalo	6/28/2021	4,639.91	0.00	0.00	0.00	108.19	4.47	4,527.25
Summer Stored	Sisson	6/28/2021	226.41	0.00	0.00	226.19	0.00	0.22	0.00
Summer Stored	Stubbs	6/28/2021	71.33	0.00	0.00	71.00	0.00	0.07	0.26
Summer Stored	Manvel	6/28/2021	2,625.12	0.00	0.00	0.00	0.00	2.53	2,622.59
Summer Stored	Manvel	6/28/2021	2,372.79	0.00	0.00	0.00	0.00	2.29	2,370.50
Agreement		**Totals:**	**51,495.59**	**0.00**	**510.20**	**2,734.30**	**322.19**	**49.62**	**48,899.68**
OffsetAccount									
Consumable									
Upstream	LAWMA	6/28/2021	291.13	0.00	0.00	0.00	0.00	0.28	290.85
Upstream	CWPDA	6/28/2021	542.81	0.00	0.00	0.00	0.00	0.52	542.29
Consumable									
Downstream		6/28/2021	1,142.09	26.49	1,741.04	0.00	182.59	1.10	2,725.93
Kansas		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow									
Return Flow		6/28/2021	0.00	0.00	442.21	0.00	442.21	0.00	0.00
RF Transit Loss		6/28/2021	31.05	0.00	40.85	0.00	0.00	0.03	71.87
Keesee Winter		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount		**Totals:**	**2,007.08**	**26.49**	**2,224.10**	**0.00**	**624.80**	**1.93**	**3,630.94**
Colorado									
Totals		6/28/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado		**Totals:**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	**Totals:**		**58,246.43**	**32.85**	**2,734.30**	**2,734.30**	**946.99**	**56.12**	**57,276.17**
Colorado Article II Summary									
	Keesee	6/28/2021	2,106.31	0.00	0.00	1,936.20	0.00	2.03	168.08
	Ft Bent	6/28/2021	0.00	0.00	58.09	0.00	0.00	0.00	58.09
	Amity	6/28/2021	204.30	0.00	284.62	0.00	164.00	0.20	324.72
	Lamar	6/28/2021	1,604.24	0.00	160.70	0.00	0.00	1.55	1,763.39
	Hyde	6/28/2021	847.77	0.00	0.00	0.00	0.00	0.82	846.95
	X-Y	6/28/2021	7,078.12	0.00	0.00	485.10	50.00	6.82	6,536.20
	Buffalo	6/28/2021	5,392.88	0.00	6.79	0.00	108.19	5.20	5,286.28
	Sisson	6/28/2021	331.09	0.00	0.00	242.00	0.00	0.32	88.77
	Stubbs	6/28/2021	71.33	0.00	0.00	71.00	0.00	0.07	0.26
	Manvel	6/28/2021	5,207.26	0.00	0.00	0.00	0.00	5.02	5,202.24
	Colorado Article II	**Totals:**	**22,843.31**	**0.00**	**510.20**	**2,734.30**	**322.19**	**22.03**	**20,274.99**

Enclosure 4

John Martin Reservoir Accounting for June 29, 2021

Acct		Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage									
City									
City/LAMAR		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
Summer Compact		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water									
Winter Water Holding Acc		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D67 Winter Water Storage		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool									
Permanent Pool		6/29/2021	4,745.55	6.18	0.00	0.00	0.00	0.74	4,750.99
Flood Pool		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage		**Totals:**	**4,745.55**	**6.18**	**0.00**	**0.00**	**0.00**	**0.74**	**4,750.99**
Agreement									
InterState									
Kansas	Kansas	6/29/2021	16,610.58	0.00	0.00	0.00	0.00	2.57	16,608.01
Transit Loss		6/29/2021	1,647.69	0.00	0.00	0.00	0.00	0.26	1,647.43
Section III									
Amity		6/29/2021	7,687.55	0.00	0.00	0.00	0.00	1.20	7,686.35
Ft. Lyon		6/29/2021	2,678.87	0.00	0.00	0.00	0.00	0.42	2,678.45
Las Animas		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Prev Winter Stored	Keesee	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Ft Bent	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Amity	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Lamar	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Hyde	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	X-Y	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Buffalo	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Sisson	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Stubbs	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored	Manvel	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Sec II									
Crnt Winter Stored	Keesee	6/29/2021	168.08	0.00	0.00	0.00	0.00	0.03	168.05
Crnt Winter Stored	Ft Bent	6/29/2021	58.09	0.00	0.00	0.00	0.00	0.01	58.08
Crnt Winter Stored	Amity	6/29/2021	324.72	0.00	0.00	0.00	164.00	0.05	160.67
Crnt Winter Stored	Lamar	6/29/2021	1,763.39	0.00	0.00	0.00	0.00	0.27	1,763.12
Crnt Winter Stored	Hyde	6/29/2021	113.31	0.00	0.00	0.00	0.00	0.02	113.29
Crnt Winter Stored	X-Y	6/29/2021	444.46	0.00	0.00	0.00	0.00	0.07	444.39
Crnt Winter Stored	Buffalo	6/29/2021	759.03	0.00	1.76	0.00	0.00	0.12	760.67
Crnt Winter Stored	Sisson	6/29/2021	88.77	0.00	0.00	0.00	0.00	0.01	88.76
Crnt Winter Stored	Stubbs	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored	Manvel	6/29/2021	104.58	0.00	0.00	0.00	0.00	0.02	104.56
Crnt Winter Stored	Manvel	6/29/2021	104.58	0.00	0.00	0.00	0.00	0.02	104.56
CO Sec II									
Summer Stored	Keesee	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Ft Bent	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Amity	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Lamar	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Hyde	6/29/2021	733.64	0.00	0.00	0.00	0.00	0.11	733.53
Summer Stored	X-Y	6/29/2021	6,091.74	0.00	0.00	125.80	50.00	0.95	5,914.99
Summer Stored	Buffalo	6/29/2021	4,527.25	0.00	0.00	0.00	108.19	0.70	4,418.36
Summer Stored	Sisson	6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored	Stubbs	6/29/2021	0.26	0.00	0.00	0.00	0.00	0.00	0.26
Summer Stored	Manvel	6/29/2021	2,622.59	0.00	0.00	0.00	0.00	0.41	2,622.18
Summer Stored	Manvel	6/29/2021	2,370.50	0.00	0.00	0.00	0.00	0.37	2,370.13
Agreement		**Totals:**	**48,899.68**	**0.00**	**1.76**	**125.80**	**322.19**	**7.61**	**48,445.84**
OffsetAccount									
Consumable									
Upstream	LAWMA	6/29/2021	290.85	0.00	0.00	0.00	0.00	0.05	290.80
Upstream	CWPDA	6/29/2021	542.29	0.00	0.00	0.00	0.00	0.08	542.21
Consumable									
Downstream		6/29/2021	2,725.93	26.74	76.61	0.00	505.51	0.42	2,323.35
Kansas		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow									
Return Flow		6/29/2021	0.00	0.00	43.40	0.00	43.40	0.00	0.00
RF Transit Loss		6/29/2021	71.87	0.00	4.03	0.00	75.89	0.01	0.00
Keesee Winter		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount		**Totals:**	**3,630.94**	**26.74**	**124.04**	**0.00**	**624.80**	**0.56**	**3,156.36**
Colorado									
Totals		6/29/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado		**Totals:**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	**Totals:**		**57,276.17**	**32.92**	**125.80**	**125.80**	**946.99**	**8.91**	**56,353.19**
Colorado Article II Summary									
	Keesee	6/29/2021	168.08	0.00	0.00	0.00	0.00	0.03	168.05
	Ft Bent	6/29/2021	58.09	0.00	0.00	0.00	0.00	0.01	58.08
	Amity	6/29/2021	324.72	0.00	0.00	0.00	164.00	0.05	160.67
	Lamar	6/29/2021	1,763.39	0.00	0.00	0.00	0.00	0.27	1,763.12
	Hyde	6/29/2021	846.95	0.00	0.00	0.00	0.00	0.13	846.82
	X-Y	6/29/2021	6,536.20	0.00	0.00	125.80	50.00	1.02	6,359.38
	Buffalo	6/29/2021	5,286.28	0.00	1.76	0.00	108.19	0.82	5,179.03
	Sisson	6/29/2021	88.77	0.00	0.00	0.00	0.00	0.01	88.76
	Stubbs	6/29/2021	0.26	0.00	0.00	0.00	0.00	0.00	0.26
	Manvel	6/29/2021	5,202.24	0.00	0.00	0.00	0.00	0.82	5,201.42
	Colorado Article II	**Totals:**	**20,274.99**	**0.00**	**1.76**	**125.80**	**322.19**	**3.16**	**19,825.60**

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

September 27, 2021

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 initiate an action to release\transfer 574.72 acre-feet of water for the purpose of replacing in-state well depletion obligations. The source of the water being delivered is approved pursuant to paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution").

LAWMA will begin releasing the fully consumable portion of this release\transfer on Monday, September 27, 2021 from John Martin Reservoir at the rate of 89 acre-feet per day for approximately four days from LAWMA's X-Y Article II Account for in-state replacement of well depletions for a total of 350 acre-feet. The associated return flow transfer related to the X-Y Article II water is the subject of this notice letter.

Additionally, LAWMA is releasing 44 cfs from LAWMAs Manvel Article II CU AccountAccount to be delivered to the Lamar Canal headgate less river loss and then further delivered out the West Farm Augmentation Station to develop a replacement credit pursuant to the terms and conditions of LAWMA's 02CW181 case and return flow obligations are documented in the LAWMA accounting.

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, associated with the 350.00 acre-feet of water released from LAWMA's X-Y Article II account for in-state replacement, 224.72 acre-feet of return flow water will be transferred.

The following distribution of the 224.72 acre-feet will be made to the Buffalo Section II account or the Offset Account.
On September 27, 2021:

Kansas Charge Water Subaccount	0.00 acre-feet
Return Flow Subaccount	198.28 acre-feet
Return Flow Transit Loss Subaccount	18.39 acre-feet
Buffalo Current Winter Stored Subaccount	8.05 acre-feet

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer

Enclosure: Calculation Sheets

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

November 29, 2021

Mr. Earl D. Lewis Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Subject: Notice of Transfer of Water into the Offset Account in John Martin Reservoir

Dear Mr. Lewis:

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 2021 in detail following the initial notice for each transaction originally sent to Kansas.

September 27, 2021 transfer:

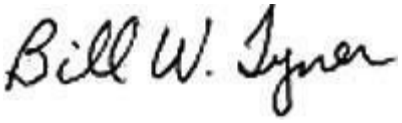
The Lower Arkansas Water Management Association (LAWMA) transferred 216.67 acre-feet of consumable water to the Offset Account on September 27, 2021. This transfer was coupled with an in-state replacement release by LAWMA of the consumable portion of the X-Y Section II water. This total was broken into the following components:

- The Return Flow Transit Loss Subaccount received 18.39 acre-feet.
- The Return Flow Subaccount received 198.28 acre-feet.

In order to accomplish the foregoing, a total of 216.67 acre-feet of water was transferred from LAWMA's X-Y Article II account with the balance not transferred to the Offset Account representing return flows transferred to various Colorado Ditches. A daily accounting sheet for John Martin Reservoir for September 27, 2021 is included in Enclosure 1.

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

Sincerely,



Bill W. Tyner, P.E.
Division Engineer, Division 2
Colorado Division of Water Resources

2 Enclosures

Ec: Kevin Salter
Dale Book
Joe Regur
Rachel Duran
Rachel Zancanella
Dan Steuer
Don Higbee
Randy Hendrix
Ayrton Hendrix
Bethany Arnold

Enclosure 1

John Martin Daily Report – September 27, 2021

Enclosure 2

Transfer Workbook for September 27, 2021

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

November 29, 2021

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir – Fort Lyon Canal Water Rights

Dear Mr. Lewis:

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 Fort Lyon Canal Company. This letter also serves to describe the operations in 2021, first described in the letter of March 31, 2021, which provided the initial notice of the delivery of water from this replacement source for 2021.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Fort Lyon Canal for 2021 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary's Report.

Randy Hendrix, LAWMA's engineer, provided the Historical Consumptive Use analysis that quantified the historical use of the associated Fort Lyon Canal shares and determined the consumptive use and return flow components on a monthly basis as well as the volumetric limits applied to use of the temporarily changed shares in LAWMA's Rule 14 Plan. Those components were included as an appendix to the LAWMA Rule 14 Plan approval for 2021-22. These temporarily changed shares were included in an approved Substitute Water Supply Plan (SWSP) (Enclosure 4) and in Division 2 Water Court Case 19CW3036.

The overall operation of the LAWMA Fort Lyon shares involved deliveries through four augmentation stations at Fort Lyon Headgate numbers 49, 125, 126 and 145 capable of delivering water to the Arkansas River or to John Martin Reservoir above the John Martin dam. Additionally, there are five augmentation stations at Fort Lyon Headgate numbers 160, 166, 181, 182 and 259 through which deliveries are made to the Arkansas River below John Martin dam for in-state replacement. Three recharge ponds were implemented in 2018 and included in the LAWMA accounting as a means to maintain delayed return flows associated with the Fort Lyon shares and to reduce winter time deliveries for return flow maintenance. Three more recharge facilities were constructed in 2019 and conducted infiltration tests in late 2019, which were submitted to the Division of Water Resources for review and approval. No recharge credits were included in LAWMAs accounting in 2021.

Maps of the augmentation station and recharge pond locations are included in Enclosure 2. The 2021 recharge pond accounting and modeling sheets used within the LAWMA accounting spreadsheet for the Fort Lyon Canal shares are included below in Enclosure 3.

The following table summarizes the actual deliveries of water into the Offset Account (and for in-state replacement) during the reporting period from the Fort Lyon Canal water rights.

	FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS										TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River						
	Above John Martin Dam				Below John Martin Dam					Total	Above John Martin Dam				Below John Martin Dam								To Offset	In-State	Below John Martin Dam			
	ARF049 CO	ARF125 CO	ARF126 CO	ARF145 CO	ARF160 CO	ARF166 CO	ARF181 CO	ARF182 CO	ARF259 CO		ARF049 CO	ARF125 CO	ARF126 CO	ARF145 CO	ARF160 CO	ARF166 CO	ARF181 CO	ARF182 CO	ARF259 CO	Reach 9	Reach 10	**Account**	**Repl.**	Reach 11	Reach 12	Reach 13	Reach 14
March	67.95	19.24	38.20	4.22	9.72	0.00	3.37	16.60	0.00	157.01	1.16	0.27	0.11	0.01	0.09	0.09	0.03	0.00	0.00	34.20	37.59	36.76	0.00	2.37	14.92	0.00	0.00
April	93.11	16.64	37.81	1.77	7.70	23.76	28.82	26.50	27.04	239.44	1.58	0.23	0.11	0.00	0.00	0.11	0.07	0.70	0.46	58.21	39.31	95.32	0.00	0.00	24.21	18.50	17.99
May	393.47	47.81	113.06	10.25	43.34	65.50	61.67	32.71	59.81	780.85	6.69	0.67	0.34	0.02	0.74	0.28	0.12	1.20	1.02	253.73	123.99	369.22	0.00	22.49	52.59	28.53	39.15
June	576.29	69.34	200.75	93.20	35.34	64.94	31.72	46.89	135.04	1381.36	9.80	0.97	0.60	0.19	1.54	0.46	0.30	2.13	2.30	392.01	277.84	654.76	-0.02	47.32	106.66	57.37	91.72
July	91.50	52.96	132.83	84.18	46.53	58.22	74.15	43.70	68.77	559.12	1.56	0.74	0.40	0.17	0.48	0.24	0.10	1.04	1.17	62.33	207.28	263.53	0.00	14.51	45.49	27.63	46.03
August	275.45	56.29	121.37	56.75	13.84	50.12	25.80	29.29	81.62	700.39	4.68	0.79	0.36	0.11	0.56	0.20	0.08	0.73	1.39	181.95	173.55	347.50	0.01	16.78	37.07	19.02	53.83
September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.78	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.40	0.00	0.00	0.00	0.00	0.00	0.00	17.63	9.97	0.00
October	60.75	15.15	26.82	0.00	0.00	22.25	10.08	11.13	23.61	146.08	1.03	0.21	0.08	0.00	0.17	0.09	0.02	0.40	0.40	33.74	26.72	59.69	0.01	4.76	12.51	9.77	14.64
November*	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	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
Total	1558.52	277.43	670.84	250.37	156.48	284.79	235.59	206.81	395.87	4007.03	26.49	3.88	2.01	0.50	3.58	1.56	0.76	6.59	6.73	1016.17	886.27	1826.20	-0.01	108.22	311.08	170.80	263.38
Total Apr-Oct	1490.56	258.19	632.64	246.14	158.94	244.90	182.84	263.53	395.87	3850.02	25.34	3.61	1.90	0.49	3.50	1.47	0.73	6.59	6.73	981.97	848.69	1789.44	0.00	105.85	296.15	170.80	263.38

* November values included for reference; will be counted as a delivery in Compact Year 2022

The table below shows LAWMA's computation of Winter Return Flows owed from 2020 operations during the December through February months.

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

		IRRIGATION SEASON FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS										Winter Return Flows Owed			
Item	Station	March	April	May	June	July	August	September	October	November	Total	December	January	February	Total
		(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)	(af)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Above John Martin Dam ARF049CO	67.95	93.11	393.47	576.29	91.50	275.45	0.00	60.75	0.00	1558.52	42.1	37.4	34.3	113.8
2	ARF125CO	19.24	16.64	47.81	69.34	52.96	56.29	0.00	15.15	0.00	277.43	6.1	5.5	5.3	16.9
3	ARF126CO	38.20	37.81	113.06	200.75	132.83	121.37	0.00	26.82	0.00	670.84	17.4	14.8	14.8	47.0
4	ARF145CO	4.22	1.77	10.25	93.20	84.18	56.75	0.00	0.00	0.00	250.37	5.5	4.8	4.5	14.8
	Total	129.62	149.32	564.59	939.58	361.47	509.86	0.00	102.73	0.00	2757.16	71.1	62.5	58.8	192.4
5	Below John Martin Dam ARF160CO	3.93	0.00	33.56	70.12	21.88	25.65	0.00	7.74	0.00	162.87	3.6	2.9	2.8	9.3
6	ARF166CO	15.45	17.51	46.20	76.58	39.33	32.95	17.18	15.15	0.00	260.35	5.7	4.9	4.7	15.4
7	ARF181CO	8.01	17.54	28.87	74.90	26.06	21.24	9.65	4.58	0.00	190.85	4.4	3.8	3.6	11.8
8	ARF182CO	0.00	28.03	47.82	85.15	41.61	29.08	15.95	15.89	0.00	263.53	6.1	5.0	5.0	16.1
9	ARF259CO	0.00	27.04	59.81	135.04	68.77	81.62	0.00	23.61	0.00	395.87	9.9	11.1	7.1	28.1
	Total	27.39	90.12	216.26	441.78	197.65	190.53	42.78	66.96	0.00	1273.48	29.7	27.8	23.2	80.7

Of note for 2021, there were no credits generated above John Martin Dam in September 2021. In addition, there were no deliveries in the first half of November 2021 (no credits generated at the upstream augmentation stations) to the Augmentation Stations and the Offset Account.

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

Sincerely,

Bill W. Tyner

Bill W. Tyner, P.E.
Division Engineer
Colorado Division of Water Resources 3

Enclosures (4)

cc:	Kevin Salter	Rachel Duran	Dale Book	Don Higbee	Rachel Zancanella
	Randy Hendrix	Dan Steuer	Bethany Arnold	Phil Reynolds	

Enclosure 1

Fort Lyon Canal Accounting for 2021

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: November **Year:** 2020

		FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS										TRANSIT LOSS CALCULATIONS										Total CU Credits Delivered to the Arkansas River											
		Above John Martin Dam				Below John Martin Dam					Total	Above John Martin Dam				Below John Martin Dam						Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
		ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO		ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO										Reach 11	Reach 12	Reach 13	Reach 14
Day (1)	Fort Lyon Canal Diversions (cfs) (2)	Flow (cfs) (3)	Flow (cfs) (4)	Flow (cfs) (5)	Flow (cfs) (6)	Flow (cfs) (7)	Flow (cfs) (8)	Flow (cfs) (9)	Flow (cfs) (10)	Flow (cfs) (11)	Flow (cfs) (12)	Flow (cfs) (13)	Flow (cfs) (14)	Flow (cfs) (15)	Flow (cfs) (16)	Flow (cfs) (17)	Flow (cfs) (18)	Flow (cfs) (19)	Flow (cfs) (20)	Flow (cfs) (21)		Flow (cfs) (22)	Flow (cfs) (23)	Yes or No (24)	Arkansas River @ Las Animas (cfs) (25)	Reach 9 TL to Offset Account (% / mile) (26)	Reach 9 TL to Offset Account (cfs) (27)	Volume (af) (28)	Volume (af) (29)	Flow (cfs) (30)	Flow (cfs) (31)	Flow (cfs) (31)	Flow (cfs) (32)
1	158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	17.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	16.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	16.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	16.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	16.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	15.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	3.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.0	0.0	Yes	15.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	1.8
10	209.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.83	5.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.0	0.0	Yes	20.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	3.4
11	237.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.31	5.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.0	0.0	Yes	20.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	3.1
12	240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	26.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	226.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	28.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	77.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	30.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	97.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	148.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	112.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	90.4	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	83.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	77.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	74.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	71.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	72.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	77.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	83.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	84.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	81.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	78.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	76.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	yes	75.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31																																	
cfsd	2,348.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	14.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2		0.0	0.0		1,659.7		0.0			0.0	0.0	0.0	8.4
ac-ft	4,657.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	28.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5		0.0	-0.1		3,292.0		0.0	0.0	0.0	0.0	0.0	0.0	16.7
CU CREDITS (ac-ft)																						0.0	-0.1					0.0	0.0	0.0	0.0	0.0	16.7
Monthly CU Factor		50.0%	60.3%	57.4%	62.8%	59.8%	59.8%	59.6%	59.9%																								

Monthly FHG Delivery	28.3		
Cumulative Annual FHG Delivery	28.3		
Maximum Monthly FHG Delivery Limit	1,652.3	FALSE	Exceeds Limit
Cumulative Annual FHG Delivery Limit	20,029.4	FALSE	Exceeds Limit

	Into JMR				To LAWMA Bucket (6700999)					
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR
1	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
2	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
3	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
5	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00
10	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	3.40	-0.01
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.00
12	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	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	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
29	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
31	0.00	0.00	-0.04	0.00	0.00	0.00	0.00	0.00	8.30	-0.04

Month: March

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Year: 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Yes or	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	No	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		197.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		197.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		187.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		170.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		153.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		146.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		148.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		148.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		150.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		144.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		169.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		230.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		168.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	173.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	142.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	124.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	180.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	52.4	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	244.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	40.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	207.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	38.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	165.00				1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	Yes	35.2	0.1%	0.0	1.9	0.0	0.0	0.0	0.0	0.0
20	136.00				0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	Yes	35.4	0.1%	0.0	1.8	0.0	0.0	0.0	0.0	0.0
21	123.00				0.00	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.23		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	Yes	31.0	0.1%	0.0	7.6	0.0	0.0	0.0	0.0	0.0
22	144.00				0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	Yes	31.0	0.1%	0.0	2.5	0.0	0.0	0.0	0.0	0.0
23	188.00				6.19	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	11.54		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.2	Yes	31.0	0.1%	0.1	12.4	0.0	0.0	0.0	0.0	0.0
24	229.00				9.29	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	19.49		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	6.1	Yes	34.2	0.1%	0.1	21.2	0.0	0.0	0.0	0.0	0.0
25	286.00				12.19	0.00	3.71	0.00	0.00	0.00	0.00	0.00	0.00	15.90		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	2.2	Yes	35.1	0.1%	0.1	16.3	0.0	0.0	0.0	0.0	0.0
26	221.00				4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.62		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	Yes	35.4	0.1%	0.1	4.5	0.0	0.0	0.0	0.0	0.0
27	186.00				0.00	0.00	0.00	0.00	0.00	2.21	0.00	0.00	0.00	2.21		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	29.3	0.1%	0.0	0.0	0.0	0.0	1.4	0.0	0.0
28	164.00				0.00	0.00	0.00	1.26	0.00	2.00	0.00	0.00	0.00	3.26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	Yes	28.1	0.1%	0.0	1.7	0.0	0.0	1.3	0.0	0.0
29	157.00				0.00	0.00	0.00	0.87	1.98	3.58	0.00	0.00	0.00	6.43		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	Yes	25.4	0.1%	0.0	1.2	0.0	1.2	2.3	0.0	0.0
30	155.00				0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	1.05		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	25.5	0.1%	0.0	0.0	0.0	0.0	0.6	0.0	0.0
31	188.00				0.00	0.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	2.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	26.7	0.1%	0.0	0.0	0.0	0.0	1.8	0.0	0.0
cfsd	3,115.0	0.0			34.3	9.7	19.3	2.1	2.0	7.8	4.0	0.0	0.0	79.2		0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	17.2	18.9		3,038.5		0.4			1.2	7.5	0.0	0.0
ac-ft	6,178.6	0.0			68.0	19.2	38.2	4.2	3.9	15.5	8.0	0.0	0.0	157.0		1.2	0.3	0.1	0.0	0.1	0.1	0.0	0.0	0.0	34.2	37.6		6,026.9		0.8	71.0	0.0	2.4	14.9	0.0	0.0
CU CREDITS (ac-ft)																									34.2	37.6					71.0	0.0	2.4	14.9	0.0	0.0

Monthly CU Factor	51.2%	62.6%	60.1%	66.9%	61.8%	64.9%	62.1%	60.7%	62.6%
Monthly FHG Delivery	68.0	19.2	38.2	4.2	3.9	15.5	8.0	0.0	0.0
Cumulative Annual FHG Delivery	68.0	19.2	38.2	4.2	3.9	15.5	8.0	0.0	0.0
Maximum Monthly FHG Delivery Limit	529.8	109.6	349.7	354.2	66.3	135.3	108.9	111.7	232.1
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)					
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR
1	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74
21	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.46
22	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42
23	0.00	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	6.22
24	0.00	0.00	11.85	0.00	0.00	0.00	0.00	0.00	0.00	11.85
25	0.00	0.00	4.31	0.00	0.00	0.00	0.00	0.00	0.00	4.31
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	1.63	0.00	1.29	0.00	0.00	0.00	1.63
29	0.00	0.00	0.00	1.13	1.20	2.31	0.00	0.00	0.00	1.13
30	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00
Total	0.00	11.62	22.38	2.76						36.76

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: April **Year: 2021**

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS to ARKANSAS RIVER										Total CU Credits Delivered to the Arkansas River													
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																			
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO					22.5									
																										Reach 9	Reach 10	To Offset Account		Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow												
Day	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	173.00				0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	24.2	0.1%	0.0	0.0	0.0	0.0	1.2	0.0	0.0
2	179.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	169.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00	1.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.7	0.1%	0.0	0.0	0.0	0.0	0.0	1.1	0.0
4	163.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.92	0.00	3.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	19.6	0.1%	0.0	0.0	0.0	0.0	0.0	2.6	0.0
5	162.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	2.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	19.5	0.1%	0.0	0.0	0.0	0.0	0.0	1.5	0.0
6	154.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	20.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	154.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	163.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	163.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	163.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	162.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	18.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	166.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	18.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	165.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	17.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	162.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	17.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	155.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	17.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	141.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	138.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	174.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	18.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	277.00				7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58	10.45	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	Yes	17.4	0.1%	0.1	9.5	0.0	0.0	0.0	0.0	1.7
20	267.00				11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	16.15	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.9	0.0	Yes	21.4	0.1%	0.2	13.5	0.0	0.0	0.0	0.0	3.4
21	222.00				13.30	1.59	0.00	0.00	0.00	0.00	0.00	0.00	4.86	19.75	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.3	1.1	Yes	24.6	0.1%	0.2	18.3	0.0	0.0	0.0	0.0	3.2
22	164.00				10.80	4.86	4.09	0.00	0.00	0.00	0.00	0.00	1.14	20.89	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.2	Yes	25.4	0.1%	0.2	25.4	0.0	0.0	0.0	0.0	0.8
23	168.00				3.87	1.94	9.17	0.00	0.00	0.00	0.00	0.00	0.00	14.98	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.8	Yes	27.7	0.1%	0.1	20.2	0.0	0.0	0.0	0.0	0.0
24	170.00				0.00	0.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	5.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	Yes	25.8	0.1%	0.0	8.1	0.0	0.0	0.0	0.0	0.0
25	170.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	20.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	170.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	170.00				0.00	0.00	0.00	0.89	0.00	2.26	0.86	1.06	0.00	5.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	Yes	18.9	0.1%	0.0	1.3	0.0	0.0	2.2	0.7	0.0
28	170.00				0.00	0.00	0.00	0.00	0.00	4.31	3.42	0.00	0.00	7.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.0	0.1%	0.0	0.0	0.0	0.0	5.3	0.0	0.0
29	169.00				0.00	0.00	0.00	0.00	0.00	2.26	2.81	1.58	0.00	6.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.6	0.1%	0.0	0.0	0.0	0.0	3.5	1.0	0.0
30	166.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.77	0.00	3.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	19.4	0.1%	0.0	0.0	0.0	0.0	0.0	2.5	0.0
31																																				
cfsd	5,189.0	0.0			46.9	8.4	19.1	0.9	0.0	8.8	8.8	14.1	13.6	120.7	0.8	0.1	0.1	0.0	0.0	0.1	0.0	0.4	0.2	29.3	19.8		607.0		0.7			0.0	12.2	9.3	9.1
ac-ft	10,292.4	0.0			93.1	16.6	37.8	1.8	0.0	17.5	17.5	28.0	27.0	239.4	1.6	0.2	0.1	0.0	0.0	0.1	0.1	0.7	0.5	58.2	39.3		1,204.0		1.3	96.2	0.0	0.0	24.2	18.5	18.0
CU CREDITS (ac-ft)																								58.2	39.3					96.2	0.0	0.0	24.2	18.5	18.0

Monthly CU Factor	63.6%	68.8%	70.9%	73.6%	67.9%	70.7%	68.1%	67.7%	70.4%
Monthly FHG Delivery	93.1	16.6	37.8	1.8	0.0	17.5	17.5	28.0	27.0
Cumulative Annual FHG Delivery	93.1	16.6	37.8	1.8	0.0	17.5	17.5	28.0	27.0
Maximum Monthly FHG Delivery Limit	466.2	96.5	307.8	311.7	58.3	119.1	95.9	98.3	204.3
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	Into JMR				To LAWMA Bucket (6700999)					
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR
1	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	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	1.10	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00
6	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	9.54
20	13.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	13.45
21	16.12	2.09	0.00	0.00	0.00	0.00	0.00	0.00	3.20	18.21
22	13.09	6.39	5.61	0.00	0.00	0.00	0.00	0.00	0.80	25.09
23	4.69	2.55	12.57	0.00	0.00	0.00	0.00	0.00	0.00	19.81
24	0.00	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00	7.95
25	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
27	0.00	0.00	0.00	1.27	0.00	1.59	0.59	0.70	0.00	1.27
28	0.00	0.00	0.00	0.00	0.00	3.03	2.32	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	1.59	1.91	1.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	0.00
Total	56.89	11.03	26.13	1.27						95.32

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: May **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO					22.5								
																												Miles								
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow												
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)												
1	134.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	2.23		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		0.0	0.0	Yes	19.3	0.1%	0.0	0.0	0.0	0.0	0.0	1.5	0.0
2	95.8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	79.8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	92.9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	19.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	173.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	229.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	182.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	162.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	18.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	163.0				0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	2.08	2.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.6	Yes	18.1	0.1%	0.0	1.3	0.0	0.0	0.0	0.0	1.4
10	274.0				7.33	3.47	0.00	0.00	0.00	0.00	0.00	0.00	2.07	12.87		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		4.7	2.4	Yes	18.4	0.1%	0.1	14.0	0.0	0.0	0.0	0.0	1.4
11	312.0				13.60	4.15	2.83	0.00	0.00	0.00	0.00	0.00	0.00	20.58		0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		8.8	5.0	Yes	28.6	0.1%	0.2	26.9	0.0	0.0	0.0	0.0	0.0
12	247.0				16.40	1.28	9.29	0.00	0.00	0.00	0.00	0.00	2.52	29.49		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		10.6	7.7	Yes	68.4	0.1%	0.2	35.8	0.0	0.0	0.0	0.0	1.7
13	284.0				9.70	0.00	5.39	0.00	0.00	0.00	0.00	0.00	0.84	15.93		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6.3	3.9	Yes	38.0	0.1%	0.1	20.0	0.0	0.0	0.0	0.0	0.6
14	283.0				0.00	0.00	0.00	0.00	1.52	1.93	0.00	0.00	0.00	3.45		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	39.5	0.1%	0.0	0.0	0.0	1.0	1.4	0.0	0.0
15	270.0				0.00	0.00	0.00	0.00	2.75	3.59	0.00	0.00	0.00	6.34		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0		0.0	0.0	Yes	85.5	0.1%	0.0	0.0	0.0	1.8	2.6	0.0	0.0
16	261.0				0.00	0.00	0.00	0.00	0.98	1.37	0.64	0.00	0.00	2.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	81.6	0.1%	0.0	0.0	0.0	0.7	1.4	0.0	0.0
17	257.0				0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	2.06		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	65.0	0.1%	0.0	0.0	0.0	0.0	1.4	0.0	0.0
18	283.0				0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.65	0.00	2.43		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	80.7	0.1%	0.0	0.0	0.0	0.0	0.5	1.1	0.0
19	490.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.26	0.00	4.26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		0.0	0.0	Yes	338.0	0.1%	0.0	0.0	0.0	0.0	0.0	2.8	0.0
20	766.0				19.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	0.00	21.65		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		12.3	0.0	Yes	1040.0	0.1%	0.3	23.8	0.0	0.0	0.0	1.8	0.0
21	764.0				22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.70		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14.6	0.0	Yes	776.0	0.1%	0.3	28.4	0.0	0.0	0.0	0.0	0.0
22	759.0				10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6.4	0.0	Yes	450.0	0.1%	0.1	12.5	0.0	0.0	0.0	0.0	0.0
23	865.0				11.00	1.91	6.58	0.00	0.00	0.00	0.00	0.00	0.00	19.49		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		7.1	6.2	Yes	965.0	0.1%	0.2	26.0	0.0	0.0	0.0	0.0	0.0
24	934.0				22.90	2.92	9.05	0.81	1.81	1.33	0.00	0.00	2.36	41.18		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14.8	9.3	Yes	2670.0	0.1%	0.3	47.1	0.0	1.2	0.9	0.0	1.6
25	736.0				14.90	0.95	3.25	0.58	4.66	2.90	1.90	0.00	4.40	33.54		0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1		9.6	3.5	Yes	681.0	0.1%	0.2	25.5	0.0	3.1	3.4	0.0	3.0
26	864.0				0.00	0.00	0.00	0.00	0.98	3.69	3.81	1.33	3.95	13.76		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.0	0.0	Yes	276.0	0.1%	0.0	0.0	0.0	0.7	5.2	0.9	2.7
27	928.0				0.00	1.91	5.53	1.04	0.00	0.00	1.38	3.96	0.00	13.82		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		0.0	6.2	Yes	292.0	0.1%	0.0	12.3	0.0	0.0	0.9	2.6	0.0
28	882.0				8.04	4.51	10.40	1.16	0.00	1.36	0.00	2.56	0.00	28.03		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0		5.2	11.6	Yes	182.0	0.1%	0.1	33.2	0.0	0.0	1.0	1.7	0.0
29	905.0				25.50	2.10	4.68	0.84	2.06	4.28	0.56	0.00	2.38	42.40		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		16.4	5.5	Yes	128.0	0.1%	0.4	42.9	0.0	1.4	3.4	0.0	1.6
30	841.0				17.30	0.00	0.00	0.74	2.17	2.84	2.05	1.50	4.78	31.38		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		11.2	0.6	Yes	1400.0	0.1%	0.3	22.7	0.0	1.5	3.4	1.0	3.2
31	635.0				0.00	0.00	0.00	0.00	0.00	0.00	1.37	3.97	4.78	10.12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1		0.0	0.0	Yes	1190.0	0.1%	0.0	0.0	0.0	0.0	0.9	0.9	2.7
cfsd	14,151.5	0.0			198.4	24.1	57.0	5.2	16.9	23.3	14.6	24.1	30.2	393.7		3.4	0.3	0.2	0.0	0.4	0.1	0.1	0.6	0.5		127.9	62.5		11,061.2		2.9			11.3	26.5	14.4	19.7
ac-ft	28,069.5	0.0			393.5	47.8	113.1	10.3	33.6	46.2	28.9	47.8	59.8	780.9		6.7	0.7	0.3	0.0	0.7	0.3	0.1	1.2	1.0		253.7	124.0		21,939.9		5.7	372.0	0.0	22.5	52.6	28.5	39.2
CU CREDITS (ac-ft)																										253.7	124.0					372.0	0.0	22.5	52.6	28.5	39.2

Monthly CU Factor	65.6%	70.8%	73.5%	75.9%	68.5%	71.7%	68.4%	68.5%	72.9%
Monthly FHG Delivery	393.5	47.8	113.1	10.3	33.6	46.2	28.9	47.8	59.8
Cumulative Annual FHG Delivery	393.5	47.8	113.1	10.3	33.6	46.2	28.9	47.8	59.8
Maximum Monthly FHG Delivery Limit	847.3	175.3	559.3	566.6	106.0	216.4	174.2	178.7	371.2
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR	Total Instate
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	1.50
2	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	1.40	1.23	0.00
10	9.16	4.70	0.00	0.00	0.00	0.00	0.00	0.00	1.40	13.86	0.00
11	17.00	5.62	4.02	0.00	0.00	0.00	0.00	0.00	0.00	26.64	0.00
12	20.50	1.73	13.20	0.00	0.00	0.00	0.00	0.00	1.70	35.43	0.00
13	12.13	0.00	7.66	0.00	0.00	0.00	0.00	0.00	0.60	19.79	0.00
14	0.00	0.00	0.00	0.00	1.00	1.38	0.00	0.00	0.00	0.00	2.38
15	0.00	0.00	0.00	0.00	1.80	2.56	0.00	0.00	0.00	0.00	4.36
16	0.00	0.00	0.00	0.00	0.70	0.98	0.44	0.00	0.00	0.00	2.12
17	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	1.40
18	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.10	0.00	0.00	1.63
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00	0.00	2.80
20	23.76	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.00	23.76	1.80
21	28.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.38	0.00
22	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00
23	13.75	2.59	9.35	0.00	0.00	0.00	0.00	0.00	0.00	25.69	0.00
24	28.63	3.95	12.86	1.19	1.20	0.95	0.00	0.00	1.60	46.63	2.15
25	18.63	1.28	4.62	0.85	3.10	2.07	1.29	0.00	3.00	25.38	6.46
26	0.00	0.00	0.00	0.00	0.70	2.63	2.60	0.90	2.70	0.00	6.83
27	0.00	2.59	7.86	1.53	0.00	0.00	0.94	2.60	0.00	11.98	3.54
28	10.05	6.10	14.78	1.70	0.00	0.97	0.00	1.70	0.00	32.63	2.67
29	31.88	2.84	6.65	1.24	1.40	3.05	0.38	0.00	1.60	42.61	4.83
30	21.63	0.00	0.00	1.08	1.50	2.02	1.40	1.00	3.20	22.71	5.92
31	0.00	0.00	0.00	0.00	0.00	0.00	0.93	2.70	3.20	0.00	3.63
										369.22	54.02
											5.37 correction
											48.65

Month: June

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Year: 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River											
					Above John Martin Dam				Below John Martin Dam						Above John Martin Dam				Below John Martin Dam																			
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam					
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14	
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	638.0				16.30	0.00	0.00	0.00	0.00	0.00	0.00	2.46	0.00	18.76	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	11.1	0.0	Yes	508.0	0.1%	0.2	21.5	0.0	0.0	0.0	1.7	0.0
2	766.0				27.10	2.14	4.83	0.00	1.18	1.05	0.00	0.00	2.78	39.08	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	5.3	Yes	396.0	0.1%	0.4	46.2	0.0	0.8	0.8	0.0	1.9
3	766.0				25.60	4.71	10.40	2.74	4.41	2.74	1.71	0.00	5.03	57.34	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	17.4	13.6	Yes	383.0	0.1%	0.4	60.7	0.0	3.0	3.2	0.0	3.4
4	752.0				25.20	4.64	6.45	4.18	3.94	1.72	2.18	1.44	3.33	53.08	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	17.1	11.6	Yes	236.0	0.1%	0.4	56.2	0.0	2.7	2.7	1.0	2.3
5	644.0				23.00	4.53	0.00	3.77	0.00	0.00	1.22	3.43	0.00	35.95	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	15.6	6.2	Yes	184.0	0.1%	0.4	42.6	0.0	0.0	0.8	2.3	0.0
6	725.0				23.30	4.45	4.54	3.60	0.00	0.00	0.00	2.43	0.00	38.32	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	15.8	9.5	Yes	154.0	0.1%	0.4	49.6	0.0	0.0	0.0	1.6	0.0
7	758.0				23.80	4.48	10.80	3.61	0.00	2.23	0.00	2.75	2.62	50.29	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	16.2	14.4	Yes	136.0	0.1%	0.4	59.9	0.0	0.0	1.6	1.9	1.8
8	714.0				23.50	4.76	6.68	3.46	3.68	4.71	1.56	4.06	4.92	57.33	0.4	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	16.0	11.3	Yes	140.0	0.1%	0.4	53.4	0.0	2.5	4.5	2.7	3.3
9	755.0				23.20	4.30	0.00	3.95	1.96	2.56	5.44	4.23	2.93	48.57	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	15.8	6.1	Yes	118.0	0.1%	0.4	42.8	0.0	1.3	5.6	2.8	2.0
10	827.0				24.00	0.95	0.00	0.00	0.00	0.00	4.41	4.31	0.00	33.67	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	16.3	0.7	Yes	251.0	0.1%	0.4	33.0	0.0	0.0	3.0	2.9	0.0
11	753.0				23.80	0.00	0.00	0.00	2.65	2.36	0.00	4.20	0.00	33.01	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	16.2	0.0	Yes	384.0	0.1%	0.4	31.4	0.0	1.8	1.7	2.8	0.0
12	748.0				23.20	0.00	0.00	0.00	5.07	3.40	1.51	1.44	4.32	38.94	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	15.8	0.0	Yes	485.0	0.1%	0.4	30.6	0.0	3.4	3.5	1.0	2.9
13	756.0				8.54	0.00	0.00	0.57	2.04	1.76	4.49	0.00	6.61	24.01	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.8	0.4	Yes	335.0	0.1%	0.1	12.2	0.0	1.4	4.3	0.0	4.5
14	758.0				0.00	0.00	0.00	0.00	0.00	0.00	2.39	2.73	3.85	8.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	Yes	267.0	0.1%	0.0	0.0	0.0	0.0	1.6	1.8	2.6
15	759.0				0.00	0.00	0.00	0.00	1.62	2.46	0.00	3.64	3.69	11.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	Yes	153.0	0.1%	0.0	0.0	0.0	1.1	1.8	2.5	2.5
16	762.0				0.00	0.00	0.00	0.00	3.68	4.06	1.08	4.10	7.02	19.94	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	Yes	115.0	0.1%	0.0	0.0	0.0	2.5	3.7	2.8	4.8
17	763.0				0.00	0.00	0.00	0.00	1.08	1.77	3.24	1.71	4.12	11.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Yes	254.0	0.1%	0.0	0.0	0.0	0.7	3.5	1.2	2.8
18	581.0				0.00	0.00	2.63	0.00	0.00	0.00	2.36	0.00	0.00	4.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	Yes	227.0	0.1%	0.0	4.1	0.0	0.0	1.6	0.0	0.0
19	463.0				0.00	0.00	9.24	6.17	0.00	0.00	0.00	0.00	0.00	15.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	Yes	415.0	0.1%	0.0	23.8	0.0	0.0	0.0	0.0	0.0
20	400.0				0.00	0.00	9.62	0.00	0.00	0.00	0.00	0.00	0.00	9.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	Yes	394.0	0.1%	0.0	14.8	0.0	0.0	0.0	0.0	0.0
21	333.0				0.00	0.00	8.98	0.00	0.00	0.00	0.00	0.00	3.56	12.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	7.0	Yes	440.0	0.1%	0.0	13.8	0.0	0.0	0.0	0.0	2.4
22	364.0				0.00	0.00	9.74	0.00	0.00	0.00	0.00	0.00	7.12	16.86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	7.6	Yes	460.0	0.1%	0.0	15.0	0.0	0.0	0.0	0.0	4.8
23	365.0				0.00	0.00	10.30	0.00	0.00	0.00	0.00	0.00	6.18	16.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	8.0	Yes	451.0	0.1%	0.0	15.9	0.0	0.0	0.0	0.0	4.2
24	344.0				0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	Yes	430.0	0.1%	0.0	10.8	0.0	0.0	0.0	0.0	0.0
25	363.0				0.00	0.00	0.00	6.35	0.00	1.78	0.00	0.00	0.00	8.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	Yes	382.0	0.1%	0.0	9.8	0.0	0.0	1.3	0.0	0.0
26	309.0				0.00	0.00	0.00	8.59	2.06	4.15	0.00	0.00	0.00	14.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	Yes	332.0	0.1%	0.0	13.3	0.0	1.4	3.0	0.0	0.0
27	262.0				0.00	0.00	0.00	0.00	1.98	1.86	2.13	0.00	0.00	5.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	223.0	0.1%	0.0	0.0	0.0	1.3	2.8	0.0	0.0
28	262.0				0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	2.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	166.0	0.1%	0.0	0.0	0.0	0.0	2.0	0.0	0.0
29	325.0				0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	1.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	207.0	0.1%	0.0	0.0	0.0	0.0	0.8	0.0	0.0
30	527.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	402.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31																												0.0						
cfsd	17,542.0	0.0			290.5	35.0	101.2	47.0	35.4	38.6	37.8	42.9	68.1	696.4	4.9	0.5	0.3	0.1	0.8	0.2	0.2	1.1	1.2	197.6	140.1		9,028.0		4.4			23.9	53.8	28.9	46.2
ac-ft	34,794.6	0.0			576.3	69.3	200.8	93.2	70.1	76.6	74.9	85.2	135.0	1,381.4	9.8	1.0	0.6	0.2	1.5	0.5	0.3	2.1	2.3	392.0	277.8		17,907.0		8.8	661.1	0.0	47.3	106.7	57.4	91.7
CU CREDITS (ac-ft)																								392.0	277.8					661.1	0.0	47.3	106.7	57.4	91.7

Monthly CU Factor	69.2%	72.1%	77.8%	78.3%	69.0%	72.7%	68.8%	69.1%	75.2%
Monthly FHG Delivery	576.3	69.3	200.8	93.2	70.1	76.6	74.9	85.2	135.0
Cumulative Annual FHG Delivery	576.3	69.3	200.8	93.2	70.1	76.6	74.9	85.2	135.0
Maximum Monthly FHG Delivery Limit	910.5	188.4	601.0	608.8	113.9	232.5	187.2	192.0	398.9
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)							
	ARF049CC	ARF125CC	ARF126CC	ARF145CC	ARF160CC	ARF166CC	ARF181CC	ARF182CC	ARF259CC	Total Del to JMR		Total Instate
1	21.50	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	21.50	1	1.70
2	35.74	2.95	7.26	0.00	0.80	0.76	0.00	0.00	1.90	45.95	2	1.56
3	33.76	6.49	15.64	4.15	3.00	1.98	1.17	0.00	3.40	60.04	3	6.15
4	33.24	6.40	9.70	6.33	2.70	1.24	1.49	1.00	2.30	55.67	4	6.43
5	30.33	6.24	0.00	5.71	0.00	0.00	0.84	2.30	0.00	42.28	5	3.14
6	30.73	6.13	6.83	5.45	0.00	0.00	0.00	1.60	0.00	49.14	6	1.60
7	31.39	6.18	16.24	5.47	0.00	1.61	0.00	1.90	1.80	59.28	7	3.51
8	30.99	6.56	10.05	5.24	2.50	3.40	1.07	2.70	3.30	52.84	8	9.67
9	30.60	5.93	0.00	5.98	1.30	1.85	3.73	2.80	2.00	42.51	9	9.68
10	31.65	1.30	0.00	0.00	0.00	0.00	3.02	2.90	0.00	32.95	10	5.92
11	31.39	0.00	0.00	0.00	1.80	1.71	0.00	2.80	0.00	31.39	11	6.31
12	30.60	0.00	0.00	0.00	3.40	2.46	1.03	1.00	2.90	30.60	12	7.89
13	11.26	0.00	0.00	0.86	1.40	1.27	3.08	0.00	4.50	12.12	13	5.75
14	0.00	0.00	0.00	0.00	0.00	0.00	1.64	1.80	2.60	0.00	14	3.44
15	0.00	0.00	0.00	0.00	1.10	1.78	0.00	2.50	2.50	0.00	15	5.38
16	0.00	0.00	0.00	0.00	2.50	2.93	0.74	2.80	4.80	0.00	16	8.97
17	0.00	0.00	0.00	0.00	0.70	1.28	2.22	1.20	2.80	0.00	17	5.40
18	0.00	0.00	3.96	0.00	0.00	0.00	1.62	0.00	0.00	3.96	18	1.62
19	0.00	0.00	13.90	9.35	0.00	0.00	0.00	0.00	0.00	23.25	19	0.00
20	0.00	0.00	14.47	0.00	0.00	0.00	0.00	0.00	0.00	14.47	20	0.00
21	0.00	0.00	13.51	0.00	0.00	0.00	0.00	0.00	2.40	13.51	21	0.00
22	0.00	0.00	14.65	0.00	0.00	0.00	0.00	0.00	4.80	14.65	22	0.00
23	0.00	0.00	15.49	0.00	0.00	0.00	0.00	0.00	4.20	15.49	23	0.00
24	0.00	0.00	10.53	0.00	0.00	0.00	0.00	0.00	0.00	10.53	24	0.00
25	0.00	0.00	0.00	9.62	0.00	1.29	0.00	0.00	0.00	9.62	25	1.29
26	0.00	0.00	0.00	13.01	1.40	3.00	0.00	0.00	0.00	13.01	26	4.40
27	0.00	0.00	0.00	0.00	1.30	1.34	1.46	0.00	0.00	0.00	27	4.10
28	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	28	2.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	29	0.77
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00
	383.18	48.18	152.23	71.17						654.76		106.68

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: July **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam					
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
1	691.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	801.0				0.00	0.00	7.31	0.00	0.00	0.00	0.00	0.00	1.19	8.50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	873.0				0.00	2.08	10.30	3.63	0.00	0.66	0.00	0.00	2.60	19.27		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	717.0				0.00	4.16	4.12	16.40	1.25	3.27	0.00	0.00	4.78	33.98		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
5	751.0				0.00	2.11	0.00	6.32	1.68	2.43	0.68	1.19	2.69	17.10		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	570.0				0.00	0.00	0.00	0.00	0.00	0.00	2.53	3.68	0.00	6.21		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
7	451.0				0.00	0.00	0.00	0.00	0.00	0.00	2.05	1.99	0.00	4.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	617.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	488.0				0.00	3.20	7.26	0.72	0.00	0.00	0.00	0.00	2.59	13.77		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	469.0				0.00	4.40	10.40	7.32	0.00	1.50	0.00	0.00	5.20	28.82		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
11	387.0				0.00	1.52	3.88	4.71	2.35	3.09	0.00	0.00	3.19	18.74		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	
12	354.0				0.00	0.00	0.00	0.00	1.79	1.89	1.39	2.73	0.00	7.80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
13	353.0				0.00	0.00	0.00	0.00	0.00	0.00	2.13	3.94	0.00	6.07		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
14	354.0				0.00	0.00	0.00	0.00	0.00	0.00	0.94	1.24	0.00	2.18		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	342.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	290.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	302.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	334.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	353.0				5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	7.58		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	352.0				16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.95	21.35		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
21	330.0				15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.17	19.97		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
22	220.0				8.73	1.41	10.00	0.00	0.00	0.00	0.00	0.00	0.93	21.07		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	197.0				0.00	4.26	10.20	0.00	0.00	0.00	0.00	0.00	0.00	14.46		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	228.0				0.00	3.56	3.50	0.00	0.00	1.93	0.00	0.00	0.00	8.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	339.0				0.00	0.00	0.00	0.00	0.00	3.65	0.99	0.00	0.00	4.64		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	350.0				0.00	0.00	0.00	0.00	1.90	1.41	1.54	1.82	0.00	6.67		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	443.0				0.00	0.00	0.00	1.93	2.06	0.00	0.89	3.04	0.00	7.92		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
28	466.0				0.00	0.00	0.00	1.41	0.00	0.00	0.00	1.35	0.00	2.76		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	466.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	400.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	345.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
cfsd	13,633.0	0.0			46.1	26.7	67.0	42.4	11.0	19.8	13.1	21.0	34.7	281.9		0.8	0.4	0.2	0.1	0.2	0.1	0.1	0.5	0.6	
ac-ft	27,041.1	0.0			91.5	53.0	132.8	84.2	21.9	39.3	26.1	41.6	68.8	559.1		1.6	0.7	0.4	0.2	0.5	0.2	0.1	1.0	1.2	
CU CREDITS (ac-ft)																									

	Total CU Credits Delivered to the Arkansas River													
					22.5					Below John Martin Dam				
	Reach 9	Reach 10	To Offset Account		Miles		To Offset Account	In-State Repl.	Reach 11	Reach 12	Reach 13	Reach 14		
Day	Flow	Flow	Yes or	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Flow	Flow	Flow	Flow		
	(cfs)	(cfs)	No	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)		
(1)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)		
1	0.0	0.0	Yes	407.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	0.0	5.7	Yes	335.0	0.1%	0.0	11.3	0.0	0.0	0.0	0.0	0.8		
3	0.0	12.4	Yes	898.0	0.1%	0.0	24.5	0.0	0.0	0.5	0.0	1.7		
4	0.0	19.0	Yes	674.0	0.1%	0.0	37.8	0.0	0.8	2.3	0.0	3.2		
5	0.0	6.5	Yes	211.0	0.1%	0.0	12.8	0.0	1.1	2.2	0.8	1.8		
6	0.0	0.0	Yes	273.0	0.1%	0.0	0.0	0.0	0.0	1.7	2.4	0.0		
7	0.0	0.0	Yes	326.0	0.1%	0.0	0.0	0.0	0.0	1.4	1.3	0.0		
8	0.0	0.0	Yes	313.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9	0.0	8.5	Yes	356.0	0.1%	0.0	16.9	0.0	0.0	0.0	0.0	1.7		
10	0.0	17.0	Yes	328.0	0.1%	0.0	33.7	0.0	0.0	1.1	0.0	3.5		
11	0.0	7.8	Yes	298.0	0.1%	0.0	15.5	0.0	1.6	2.2	0.0	2.1		
12	0.0	0.0	Yes	236.0	0.1%	0.0	0.0	0.0	1.2	2.3	1.8	0.0		
13	0.0	0.0	Yes	177.0	0.1%	0.0	0.0	0.0	0.0	1.4	2.6	0.0		
14	0.0	0.0	Yes	130.0	0.1%	0.0	0.0	0.0	0.0	0.6	0.8	0.0		
15	0.0	0.0	Yes	103.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
16	0.0	0.0	Yes	82.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	0.0	0.0	Yes	57.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
18	0.0	0.0	Yes	45.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19	3.5	0.0	Yes	49.3	0.1%	0.1	6.9	0.0	0.0	0.0	0.0	1.6		
20	11.2	0.0	Yes	106.0	0.1%	0.3	21.7	0.0	0.0	0.0	0.0	3.3		
21	10.8	0.0	Yes	69.2	0.1%	0.2	20.9	0.0	0.0	0.0	0.0	2.8		
22	5.9	8.8	Yes	51.2	0.1%	0.1	29.0	0.0	0.0	0.0	0.0	0.6		
23	0.0	11.0	Yes	42.6	0.1%	0.0	21.8	0.0	0.0	0.0	0.0	0.0		
24	0.0	5.2	Yes	38.3	0.1%	0.0	10.4	0.0	0.0	1.4	0.0	0.0		
25	0.0	0.0	Yes	36.9	0.1%	0.0	0.0	0.0	0.0	3.3	0.0	0.0		
26	0.0	0.0	Yes	35.4	0.1%	0.0	0.0	0.0	1.3	2.0	1.2	0.0		
27	0.0	1.5	Yes	92.9	0.1%	0.0	3.0	0.0	1.4	0.6	2.0	0.0		
28	0.0	1.1	Yes	230.0	0.1%	0.0	2.2	0.0	0.0	0.0	0.9	0.0		
29	0.0	0.0	Yes	403.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
30	0.0	0.0	Yes	288.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
31	0.0	0.0	Yes	303.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
cfsd	31.4	104.5		6,996.2		0.7			7.3	22.9	13.9	23.2		
ac-ft	62.3	207.3		13,877.0		1.4	268.2	0.0	14.5	45.5	27.6	46.0		
CU CREDITS (ac-ft)	62.3	207.3					268.2	0.0	14.5	45.5	27.6	46.0		

	2	3	4	5	6	7	8	9	10
Monthly CU Factor	69.3%	71.5%	78.4%	78.7%	67.8%	71.6%	67.4%	68.1%	75.1%
Monthly FHG Delivery	91.5	53.0	132.8	84.2	21.9	39.3	26.1	41.6	68.8
Cumulative Annual FHG Delivery	91.5	53.0	132.8	84.2	21.9	39.3	26.1	41.6	68.8
Maximum Monthly FHG Delivery Limit	817.1	169.1	539.4	546.3	102.2	208.7	168.0	172.3	358.0
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CC	ARF125CC	ARF126CC	ARF145CC	ARF160CC	ARF166CC	ARF181CO	ARF182CO	ARF259CC	Total Del to JMR	Total Instate
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	11.08	0.00	0.00	0.00	0.00	0.00	0.80	11.08	0.00
3	0.00	2.84	15.61	5.53	0.00	0.47	0.00	0.00	1.70	23.98	0.47
4	0.00	5.69	6.24	24.97	0.80	2.33	0.00	0.00	3.20	36.90	3.13
5	0.00	2.88	0.00	9.62	1.10	1.73	0.46	0.80	1.80	12.50	4.09
6	0.00	0.00	0.00	0.00	0.00	0.00	1.70	2.40	0.00	0.00	4.10
7	0.00	0.00	0.00	0.00	0.00	0.00	1.38	1.30	0.00	0.00	2.68
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	4.37	11.00	1.09	0.00	0.00	0.00	0.00	1.70	16.46	0.00
10	0.00	6.01	15.76	11.15	0.00	1.07	0.00	0.00	3.50	32.92	1.07
11	0.00	2.08	5.88	7.17	1.60	2.20	0.00	0.00	2.10	15.13	3.80
12	0.00	0.00	0.00	0.00	1.20	1.35	0.93	1.80	0.00	0.00	5.28
13	0.00	0.00	0.00	0.00	0.00	0.00	1.43	2.60	0.00	0.00	4.03
14	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.80	0.00	0.00	1.43
15	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
19	6.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	6.87	0.00
20	21.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	21.66	0.00
21	20.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	20.87	0.00
22	11.53	1.93	15.16	0.00	0.00	0.00	0.00	0.00	0.60	28.62	0.00
23	0.00	5.82	15.46	0.00	0.00	0.00	0.00	0.00	0.00	21.28	0.00
24	0.00	4.87	5.30	0.00	0.00	1.37	0.00	0.00	0.00	10.17	1.37
25	0.00	0.00	0.00	0.00	0.00	2.60	0.66	0.00	0.00	0.00	3.26
26	0.00	0.00	0.00	0.00	1.30	1.00	1.03	1.20	0.00	0.00	4.53
27	0.00	0.00	0.00	2.94	1.40	0.00	0.60	2.00	0.00	2.94	4.00
28	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.90	0.00	2.15	0.90
29	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals	60.93	36.49	101.49	64.62						263.53	44.14

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: August **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Yes or	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	No	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	494.0				12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.90		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	Yes	227.0	0.1%	0.2	16.5	0.0	0.0	0.0	0.0	0.0
2	938.0				26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.67	28.67		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	Yes	866.0	0.1%	0.4	33.3	0.0	0.0	0.0	0.0	1.8
3	735.0				12.30	0.00	0.00	0.00	3.28	2.47	1.26	0.00	8.13	27.44		0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	8.1	0.0	Yes	619.0	0.1%	0.2	15.8	0.0	2.1	2.6	0.0	5.4
4	626.0				0.00	2.23	4.29	0.00	3.82	3.91	2.47	0.00	2.71	19.43		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	4.8	Yes	145.0	0.1%	0.0	9.5	0.0	2.5	4.4	0.0	1.8
5	760.0				7.62	4.62	9.56	0.00	0.00	0.00	1.02	2.39	0.00	25.21		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	5.0	10.4	Yes	195.0	0.1%	0.1	30.4	0.0	0.0	0.7	1.6	0.0
6	537.0				23.70	2.50	5.33	2.96	0.00	0.00	0.00	3.56	0.00	38.05		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	15.7	8.0	Yes	124.0	0.1%	0.4	46.2	0.0	0.0	0.0	2.3	0.0
7	363.0				17.20	0.00	0.00	4.07	0.00	0.00	0.00	1.32	0.00	22.59		0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	3.1	Yes	301.0	0.1%	0.3	28.2	0.0	0.0	0.0	0.9	0.0
8	338.0				5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.78		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	Yes	415.0	0.1%	0.1	7.4	0.0	0.0	0.0	0.0	0.0
9	277.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.99	2.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Yes	333.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	2.0
10	164.0				0.00	3.12	6.71	0.00	0.00	0.00	0.00	0.00	6.41	16.24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	7.2	Yes	335.0	0.1%	0.0	14.3	0.0	0.0	0.0	0.0	4.2
11	164.0				0.00	4.51	9.71	0.00	0.00	0.00	0.00	0.00	4.40	18.62		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	10.4	Yes	322.0	0.1%	0.0	20.7	0.0	0.0	0.0	0.0	2.9
12	165.0				0.00	1.52	3.52	0.00	0.00	0.00	0.00	0.00	0.00	5.04		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	Yes	275.0	0.1%	0.0	7.3	0.0	0.0	0.0	0.0	0.0
13	164.0				0.00	0.00	0.00	6.69	0.82	2.40	0.00	0.00	0.00	9.91		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	Yes	264.0	0.1%	0.0	10.1	0.0	0.5	1.7	0.0	0.0
14	167.0				0.00	0.00	0.00	11.50	3.10	5.53	0.00	0.00	0.00	20.13		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	Yes	226.0	0.1%	0.0	17.4	0.0	2.0	3.9	0.0	0.0
15	166.0				0.00	0.00	0.00	3.39	1.91	2.30	1.99	2.08	0.00	11.67		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.6	Yes	180.0	0.1%	0.0	5.1	0.0	1.2	2.9	1.4	0.0
16	170.0				0.00	0.00	0.00	0.00	0.00	0.00	2.97	3.69	0.00	6.66		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	142.0	0.1%	0.0	0.0	0.0	0.0	2.0	2.4	0.0
17	168.0				0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.62	0.00	2.62		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	118.0	0.1%	0.0	0.0	0.0	0.0	0.7	1.1	0.0
18	163.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	89.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	161.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	72.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	163.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	60.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	165.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	62.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	331.0				4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	7.43		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	Yes	56.5	0.1%	0.1	6.3	0.0	0.0	0.0	0.0	1.7
23	321.0				12.90	0.00	2.71	0.00	0.00	0.00	0.00	0.00	5.12	20.73		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.5	2.0	Yes	56.5	0.1%	0.2	20.6	0.0	0.0	0.0	0.0	3.4
24	189.0				7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.44	13.33		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.2	0.0	Yes	51.9	0.1%	0.1	10.1	0.0	0.0	0.0	0.0	3.6
25	149.0				4.99	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.73	7.35		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.1	Yes	49.2	0.1%	0.1	8.6	0.0	0.0	0.0	0.0	0.5
26	136.0				2.71	3.55	5.82	0.00	0.00	0.00	0.00	0.00	0.00	12.08		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.8	Yes	44.9	0.1%	0.0	17.0	0.0	0.0	0.0	0.0	0.0
27	105.0				0.00	0.00	7.86	0.00	0.00	0.00	0.00	0.00	0.00	7.86		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	Yes	34.5	0.1%	0.0	11.8	0.0	0.0	0.0	0.0	0.0
28	87.1				0.00	1.70	5.68	0.00	0.00	0.00	0.00	0.00	0.00	7.38		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	Yes	31.9	0.1%	0.0	10.8	0.0	0.0	0.0	0.0	0.0
29	62.6				0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	Yes	30.9	0.1%	0.0	4.1	0.0	0.0	0.0	0.0	0.0
30	67.5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	31.4	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	92.8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	30.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cfsd	8,589.0	0.0			138.9	28.4	61.2	28.6	12.9	16.6	10.7	14.7	41.1	353.1		2.4	0.4	0.2	0.1	0.3	0.1	0.0	0.4	0.7	91.7	87.5		5,790.4		2.1			8.5	18.7	9.6	27.1
ac-ft	17,036.3	0.0			275.4	56.3	121.4	56.7	25.6	32.9	21.2	29.1	81.6	700.4		4.7	0.8	0.4	0.1	0.6	0.2	0.1	0.7	1.4	182.0	173.5		11,485.3		4.1	351.4	0.0	16.8	37.1	19.0	53.8
CU CREDITS (ac-ft)																									182.0	173.5					351.4	0.0	16.8	37.1	19.0	53.8

Monthly CU Factor	67.2%	69.8%	75.6%	76.5%	66.9%	70.1%	66.7%	67.1%	73.1%
Monthly FHG Delivery	275.4	56.3	121.4	56.7	25.6	32.9	21.2	29.1	81.6
Cumulative Annual FHG Delivery	275.4	56.3	121.4	56.7	25.6	32.9	21.2	29.1	81.6
Maximum Monthly FHG Delivery Limit	799.2	165.4	527.6	534.4	100.0	204.1	164.3	168.5	350.1
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR	
1	16.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.52	1
2	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	33.30	2
3	15.75	0.00	0.00	0.00	2.10	1.72	0.84	0.00	5.40	15.75	3
4	0.00	2.98	6.27	0.00	2.50	2.72	1.64	0.00	1.80	9.25	4
5	9.76	6.16	13.97	0.00	0.00	0.00	0.68	1.60	0.00	29.89	5
6	30.35	3.34	7.79	4.38	0.00	0.00	0.00	2.30	0.00	45.86	6
7	22.03	0.00	0.00	6.02	0.00	0.00	0.00	0.90	0.00	28.05	7
8	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	8
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	9
10	0.00	4.16	9.81	0.00	0.00	0.00	0.00	0.00	4.20	13.97	10
11	0.00	6.02	14.19	0.00	0.00	0.00	0.00	0.00	2.90	20.21	11
12	0.00	2.03	5.14	0.00	0.00	0.00	0.00	0.00	0.00	7.17	12
13	0.00	0.00	0.00	9.90	0.50	1.67	0.00	0.00	0.00	9.90	13
14	0.00	0.00	0.00	17.02	2.00	3.85	0.00	0.00	0.00	17.02	14
15	0.00	0.00	0.00	5.02	1.20	1.60	1.32	1.40	0.00	5.02	15
16	0.00	0.00	0.00	0.00	0.00	0.00	1.97	2.40	0.00	0.00	16
17	0.00	0.00	0.00	0.00	0.00	0.00	0.66	1.10	0.00	0.00	17
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
22	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	6.25	22
23	16.52	0.00	3.96	0.00	0.00	0.00	0.00	0.00	3.40	20.48	23
24	10.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	10.11	24
25	6.39	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.50	8.57	25
26	3.47	4.74	8.51	0.00	0.00	0.00	0.00	0.00	0.00	16.72	26
27	0.00	0.00	11.49	0.00	0.00	0.00	0.00	0.00	0.00	11.49	27
28	0.00	2.27	8.30	0.00	0.00	0.00	0.00	0.00	0.00	10.57	28
29	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	29
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31
Totals	177.85	37.88	89.43	42.34						347.50	

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: September **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Yes or	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	No	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	95.6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		28.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	162.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		28.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	157.0				0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	1.09		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		29.4	0.1%	0.0	0.0	0.0	0.0	0.7	0.0	0.0
4	168.0				0.00	0.00	0.00	0.00	0.00	4.40	0.97	0.00	0.00	5.37		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		38.9	0.1%	0.0	0.0	0.0	0.0	3.6	0.0	0.0
5	162.0				0.00	0.00	0.00	0.00	0.00	3.17	2.40	1.24	0.00	6.81		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		29.9	0.1%	0.0	0.0	0.0	0.0	3.6	0.8	0.0
6	161.0				0.00	0.00	0.00	0.00	0.00	0.00	1.50	4.00	0.00	5.50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0		29.4	0.1%	0.0	0.0	0.0	0.0	1.0	2.5	0.0
7	160.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00	2.80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0		33.0	0.1%	0.0	0.0	0.0	0.0	0.0	1.7	0.0
8	161.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		24.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	160.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		21.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	160.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		20.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	152.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		20.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	130.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		19.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	115.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		18.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	108.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		17.4	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	120.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		38.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	169.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		27.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	193.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		39.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	167.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		24.4	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	160.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		17.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	133.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	110.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		16.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	107.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		16.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	108.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	107.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	104.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	101.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.3	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	93.7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	81.2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	68.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		14.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	73.5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		15.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31																																			
cfsd	3,947.0	0.0			0.0	0.0	0.0	0.0	0.0	8.7	4.9	8.0	0.0	21.6		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0		678.3		0.0			0.0	8.9	5.0	0.0
ac-ft	7,828.9	0.0			0.0	0.0	0.0	0.0	0.0	17.2	9.7	15.9	0.0	42.8		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0		1,345.4		0.0	0.0	0.0	0.0	17.6	10.0	0.0
CU CREDITS (ac-ft)																									0.0	0.0					0.0	0.0	0.0	17.6	10.0	0.0

		2	3	4	5	6	7	8	9	10
Monthly CU Factor		61.9%	66.0%	70.7%	71.6%	63.7%	67.3%	63.8%	64.1%	68.9%
Monthly FHG Delivery		0.0	0.0	0.0	0.0	0.0	17.2	9.7	15.9	0.0
Cumulative Annual FHG Delivery		0.0	0.0	0.0	0.0	0.0	17.2	9.7	15.9	0.0
Maximum Monthly FHG Delivery Limit		561.7	116.2	370.8	375.6	70.3	143.5	115.5	118.5	246.1
Exceeds Limit		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit		5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit		FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CC	ARF125CC	ARF126CC	ARF145CC	ARF160CC	ARF166CC	ARF181CC	ARF182CC	ARF259CC	Total Del to JMR	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
3	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	3
4	0.00	0.00	0.00	0.00	0.00	2.94	0.61	0.00	0.00	0.00	4
5	0.00	0.00	0.00	0.00	0.00	2.12	1.53	0.80	0.00	0.00	5
6	0.00	0.00	0.00	0.00	0.00	0.00	0.95	2.50	0.00	0.00	6
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	7
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31
										0.00	

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: October **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Reach 9	Reach 10	To Offset Account		22.5 Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Yes or	Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account	Volume	Volume	Reach 11	Reach 12	Reach 13	Reach 14
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	No	(cfs)	(% / mile)	(cfs)	(af)	(af)	(cfs)	(cfs)	(cfs)	(cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	90.3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	15.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	116.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	16.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	103.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	15.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	105.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	14.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	122.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	14.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	128.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	14.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	142.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	14.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	148.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	14.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	148.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	13.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	139.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	13.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	1.2
11	128.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.98	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Yes	14.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	3.1
12	121.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.52	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	Yes	13.8	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	2.8
13	117.0				2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	2.73		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	Yes	14.5	0.1%	0.0	2.9	0.0	0.0	0.0	0.0	0.3
14	113.0				8.14	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.24		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.7	Yes	15.0	0.1%	0.1	10.2	0.0	0.0	0.0	0.0	0.0
15	111.0				8.03	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.83		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.4	Yes	17.0	0.1%	0.1	13.4	0.0	0.0	0.0	0.0	0.0
16	125.0				6.98	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.72		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.7	Yes	17.7	0.1%	0.1	11.0	0.0	0.0	0.0	0.0	0.0
17	136.0				4.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75		0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	Yes	17.9	0.1%	0.1	5.1	0.0	0.0	0.0	0.0	0.0
18	141.0				0.00	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	4.12		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	Yes	16.9	0.1%	0.0	5.2	0.0	0.0	0.0	0.0	0.0
19	146.0				0.00	0.00	6.71	0.00	0.00	0.00	0.00	0.00	0.00	6.71		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	Yes	15.0	0.1%	0.0	8.5	0.0	0.0	0.0	0.0	0.0
20	153.0				0.00	0.00	2.69	0.00	0.00	0.00	0.00	0.00	0.00	2.69		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	Yes	15.7	0.1%	0.0	3.4	0.0	0.0	0.0	0.0	0.0
21	163.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	15.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	164.0				0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00	1.26		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	15.7	0.1%	0.0	0.0	0.0	0.0	0.8	0.0	0.0
23	164.0				0.00	0.00	0.00	0.00	0.54	3.80	0.00	0.00	0.00	4.34		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	17.9	0.1%	0.0	0.0	0.0	0.3	2.4	0.0	0.0
24	163.0				0.00	0.00	0.00	0.00	3.36	2.58	0.00	0.00	0.00	5.94		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	Yes	24.2	0.1%	0.0	0.0	0.0	2.1	1.6	0.0	0.0
25	164.0				0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.61		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	27.4	0.1%	0.0	0.0	0.0	0.0	0.4	0.0	0.0
26	163.0				0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.97		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	26.1	0.1%	0.0	0.0	0.0	0.0	0.6	0.0	0.0
27	164.0				0.00	0.00	0.00	0.00	0.00	0.00	0.73	2.14	0.00	2.87		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	20.6	0.1%	0.0	0.0	0.0	0.0	0.5	1.3	0.0
28	164.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	20.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	164.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.00	2.50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	25.5	0.1%	0.0	0.0	0.0	0.0	0.0	1.5	0.0
30	164.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	0.00	3.37		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	Yes	29.0	0.1%	0.0	0.0	0.0	0.0	0.0	2.1	0.0
31	163.0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Yes	29.9	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cfsd	4,332.3	0.0			30.6	7.6	13.5	0.0	3.9	7.6	2.3	8.0	11.9	73.6		0.5	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.2	17.0	13.5		558.0		0.4			2.4	6.3	4.9	7.4
ac-ft	8,593.1	0.0			60.8	15.2	26.8	0.0	7.7	15.2	4.6	15.9	23.6	146.1		1.0	0.2	0.1	0.0	0.2	0.1	0.0	0.4	0.4	33.7	26.7		1,106.8		0.8	59.7	0.0	4.8	12.5	9.8	14.6
CU CREDITS (ac-ft)																									33.7	26.7					59.7	0.0	4.8	12.5	9.8	14.6

Monthly CU Factor	56.5%	64.3%	64.0%	68.3%	62.9%	64.1%	62.6%	63.1%	65.6%
Monthly FHG Delivery	60.8	15.2	26.8	0.0	7.7	15.2	4.6	15.9	23.6
Cumulative Annual FHG Delivery	60.8	15.2	26.8	0.0	7.7	15.2	4.6	15.9	23.6
Maximum Monthly FHG Delivery Limit	402.4	83.3	265.6	269.1	50.3	102.8	82.8	84.9	176.3
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CC	ARF125CC	ARF126CC	ARF145CC	ARF160CC	ARF166CC	ARF181CC	ARF182CC	ARF259CC	Total Del to JMR	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	10
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.00	11
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00	12
13	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	2.94	13
14	8.77	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.12	14
15	8.65	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.32	15
16	7.52	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.89	16
17	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.11	17
18	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	5.10	18
19	0.00	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	8.30	19
20	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	3.33	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
22	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	22
23	0.00	0.00	0.00	0.00	0.30	2.42	0.00	0.00	0.00	0.00	23
24	0.00	0.00	0.00	0.00	2.10	1.64	0.00	0.00	0.00	0.00	24
25	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	25
26	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	26
27	0.00	0.00	0.00	0.00	0.00	0.00	0.45	1.30	0.00	0.00	27
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	0.00	29
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.00	0.00	30
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31
										59.11	

LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Month: November **Year:** 2021

					FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS											TRANSIT LOSS CALCULATIONS											Total CU Credits Delivered to the Arkansas River										
					Above John Martin Dam				Below John Martin Dam					Total		Above John Martin Dam				Below John Martin Dam																	
					ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO			ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO					22.5							
																										Reach 9	Reach 10	To Offset Account		Miles		To Offset Account	In-State Repl.	Below John Martin Dam			
Day	Fort Lyon Canal Diversions	Fort Lyon Article III Exchange	Article III Diversion Split	CS-U LAWMA Share Direct Delivery	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow		Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow				Arkansas River @ Las Animas	Reach 9 TL to Offset Account	Reach 9 TL to Offset Account				Reach 11	Reach 12	Reach 13	Reach 14
	(cfs)	(cfs)	(%)	(Yes or No)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)													
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(34)	(35)
1	159.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	30.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	147.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	27.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	158.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	20.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	164.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	20.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	188.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	19.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	190.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	23.5	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	199.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	25.7	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	192.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	29.1	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	173.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	32.2	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	182.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	36.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	41.6	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	Yes	0.0	0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31																																			
cfsd	1,752.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		307.4		0.0			0.0	0.0	0.0	0.0
ac-ft	3,475.1	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		609.7		0.0	0.0	0.0	0.0	0.0	0.0	0.0
CU CREDITS (ac-ft)																										0.0	0.0					0.0	0.0	0.0	0.0	0.0	0.0

Monthly CU Factor	50.0%	60.3%	57.4%	62.8%	59.8%	59.8%	59.6%	59.9%	60.1%
Monthly FHG Delivery	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cumulative Annual FHG Delivery	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum Monthly FHG Delivery Limit	394.1	81.5	260.1	263.5	49.3	100.6	81.0	83.1	172.6
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Cumulative Annual FHG Delivery Limit	5,424.3	1,122.5	3,580.7	3,626.9	678.5	1,385.4	1,115.4	1,143.8	2,376.5
Exceeds Limit	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	2	3	4	5	6	7	8	9	10

	Into JMR				To LAWMA Bucket (6700999)						
	ARF049CO	ARF125CO	ARF126CO	ARF145CO	ARF160CO	ARF166CO	ARF181CO	ARF182CO	ARF259CO	Total Del to JMR	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31
										0.00	

Enclosure 2

Maps of Augmentation Stations/Recharge Sites

R 54 W | R 53 W | R 52 W | R 51 W | R 50 W

T 21 S | T 22 S | T 23 S

Horse Creek Reservoir

Horse Creek

Horse Creek Augmentation Station (ID ARF049CO)

Upper Gageby Augmentation Station (ID ARF125CO)

Gageby Creek

Lower Gageby Augmentation Station (ID ARF126CO)

Arkansas River

Farm 60 Recharge Site (ID Farm 60)

Las Animas

Las Animas-Bent County Airport

John Martin Reservoir State Park

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Fort Lyon Canal
- Creeks & Drains
- Arkansas River
- Recharge Sites
- Recharge Inflow and Outlfow
- Recharge Direction
- Augmentation Stations
- Augmentation Laterals
- Lamar Canal
- West Farm Gravel Pit
- West Farm Lateral
- West Farm Gravel Pit Inflow
- West Farm Gravel Pit Outflow
- West Farm Gravel Pit Cell 1

0 0.75 1.5 3

Scale in Miles

N W E S

Hendrix Wai Engineering, Inc.

Job No. L7505/L7507

Date: 06/23/2020

Revision Date: 06/23/2020

Prepared For: LAWMA

Exhibit I-1

Map of Delivery Structures

Document Path: D:\GIS\L7505\Case No. 19CW3036\Proposed Decree\Exhibit I 8-30-2021.mxd

R 50 W | R 49 W | R 48 W | R 47 W | R 46 W

T 21 S | T 22 S | T 23 S

Farm 114 Recharge Site (ID Farm 114)

Farm 110 Recharge Site (ID Farm 110)

Riverview Drain Augmentation Station (ID ARF182CO)

FLCC Headgate 151E (ID ARF151E)

Limestone Creek Augmentation Station (ID ARF160CO)

Farm 65 Recharge Site (ID Farm 65)

McClave Lateral Augmentation Station (ID ARF166CO)

Hasty Augmentation Station (ID ARF145CO)

Farm 132/133 Recharge Site (ID Farm 132/133)

Farm 63 Recharge Site (ID Farm 63)

Wheatridge Augmentation Station (ID ARF259CO)

West Farm Gravel Pit - Cell 1

West Farm Gravel Pit

Wiley Drainage Ditch

Pleasant Valley Drainage Ditch

Limestone Creek

Graveyard Creek

Arkansas River

Lamar Canal

Hasty

McClave

Wiley

Lamar

MAY VALLEY

BIG TIMBERS

US-Highway-50

US-Highway-287

Santa-Fe-Trl

Cord Railroad

Thurston Reservoir

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Fort Lyon Canal
- Creeks & Drains
- Arkansas River
- Recharge Sites
- Recharge Inflow and Outlfow
- Recharge Direction
- Augmentation Stations
- Augmentation Laterals
- Lamar Canal
- West Farm Gravel Pit
- West Farm Lateral
- West Farm Gravel Pit Inflow
- West Farm Gravel Pit Outflow
- West Farm Gravel Pit Cell 1

0 0.75 1.5 3

Scale in Miles

N W E S

Hendrix Wai Engineering, Inc.

Job No. L7505/L7507

Date: 06/23/2020

Revision Date: 06/23/2020

Prepared For: LAWMA

Exhibit I-2

Map of Delivery Structures

Document Path: D:\GIS\L7505\Case No. 19CW3036\Proposed Decree\Exhibit I 8-30-2021.mxd

Enclosure 3

LAWMA Recharge Accounting

Lower Arkansas Water Management Association - Fort Lyon Canal Company Recharge Site

Farm 60 Recharge Facility (SEO ID No. 1704820): Monthly Totals Based on Daily Data

Month:	% Water Vis. (1)	Measured Inflow (ac-ft) (2)	EOM Pond 1 Staff Gage Reading (ft) (3)	EOM Pond 2 Staff Gage Reading (ft) (4)	EOM Pond 3 Staff Gage Reading (ft) (5)	EOM Pond 4 Staff Gage Reading (ft) (6)	Measured Outflow (ac-ft) (7)	Average Pond 1 Daily Surface Area (ac) (8)	EOM Pond 1 Volume (ac-ft) (9)	Average Pond 2 Daily Surface Area (ac) (10)	EOM Pond 2 Volume (ac-ft) (11)	Average Pond 3 Daily Surface Area (ac) (12)	EOM Pond 3 Volume (ac-ft) (13)	Average Pond 4 Daily Surface Area (ac) (14)	EOM Pond 4 Volume (ac-ft) (15)	Average Daily Surface Area (ac) (16)	EOM Total Volume (ac-ft) (17)	Evap Rate (ft) (18)	Total Pond Evap (ac-ft) (19)	Average Phreatophytes (ac) (20)	ET (in) (21)	ET (ac-ft) (22)	Total Recharge (ac-ft) (23)	Total HCU Recharge (ac-ft) (24)	Lagged HCU Recharge (ac-ft) (25)
Apr	100.0%	10.78	6.64	6.17	5.03	1.46	0.00	0.96	5.32	0.78	5.11	0.96	1.73	0.55	0.55	3.24	12.71	0.43	1.40	0.00	0.00	0.00	-3.32	-2.48	11.42
May	100.0%	83.81	4.37	3.48	5.88	1.75	0.00	1.03	4.18	0.82	3.81	0.98	2.62	0.53	1.89	3.36	12.51	0.57	1.91	0.00	0.00	0.00	82.09	62.64	13.40
Jun	100.0%	171.16	0.00	0.00	0.00	0.01	35.51	0.47	0.00	0.39	0.00	0.55	0.00	0.32	0.00	1.72	0.00	0.69	1.19	0.00	0.00	0.00	146.97	115.66	18.32
Jul	100.0%	48.48	4.84	3.91	5.51	2.31	0.00	0.27	4.40	0.18	4.01	0.23	2.62	0.13	2.05	0.81	13.08	0.71	0.57	0.00	0.00	0.00	34.83	27.34	22.79
Aug	100.0%	58.28	0.00	0.00	2.03	0.01	0.00	0.45	0.00	0.27	0.00	0.54	0.81	0.16	0.00	1.43	0.81	0.64	0.91	0.00	0.00	0.00	69.63	52.99	24.23
Sep	100.0%	25.87	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	0.00	0.48	0.02	0.00	0.00	0.00	26.67	18.93	24.33
Oct	100.0%	14.51	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.33	0.00	0.00	0.00	0.00	14.50	9.83	23.08
Nov	0.0%	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	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	20.80
Dec	0.0%	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	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	18.64
Jan	0.0%	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	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	16.90
Feb	0.0%	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	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	15.48
Mar	0.0%	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	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	14.69
Totals		412.89					35.51		13.91		12.93		7.78		4.50		39.11	4.75	6.01		0.00	0.00	371.37	284.92	224.08

Monthly Factors for FLCC Shares to the Farm 60 Recharge Facility

Month	11	12	1	2	3	4	5	6	7	8	9	10
HCU %	62.2%	0.0%	0.0%	0.0%	68.5%	74.7%	76.3%	78.7%	78.5%	76.1%	71.0%	67.8%
WRF %		-2.3%	-2.0%	-1.9%								
WRF Vol Owed		9.46	8.07	7.66								
Lagged HCU		18.64	16.90	15.48								

Notes:

1) Monthly: Percentage of month water visible in recharge site.
2) Measured inflow to recharge facility: http://www.dwr.state.co.us/Surfacewater/data/detail_graph.aspx?ID=ARF027CO&MTYPE=DISCHRG
3) End of Month staff gage reading of Sedimintation Pond 1. (Daily area and volumes are calculated using daily readings).
4) End of Month staff gage reading of Sedimintation Pond 2. (Daily area and volumes are calculated using daily readings).
5) End of Month staff gage reading of Sedimintation Pond 3. (Daily area and volumes are calculated using daily readings).
6) End of Month staff gage reading of Sedimintation Pond 4. (Daily area and volumes are calculated using daily readings).
7) Measured surface water outflow from the recharge facility (Delivery to river will be calculated as an augmentation delivery using the appropriate monthly CU factor)
8) Average daily Sedimintation Pond 1 based on Storage Capacity Table and staff gage readings.
9) End of Month volume of water in Sedimintation Pond 1,
10) Average daily Sedimintation Pond 2 based on Storage Capacity Table and staff gage readings.
11) End of Month volume of water in Sedimintation Pond 2.
12) Average daily Sedimintation Pond 3 based on Storage Capacity Table and staff gage readings.
13) End of Month volume of water in Sedimintation Pond 3.
14) Average daily Sedimintation Pond 4 based on Storage Capacity Table and staff gage readings.
15) End of Month volume of water in Sedimintation Pond 4.
16) Sum of Columns 8, 10, 12, and 14)
17) Sum of Columns 9, 11, 13, and 15)
18) Monthly evaporation rate for ponds near John Martin Dam (Case No. 02CW181, Exhibit R)
19) Total monthly evaporation calculated daily by multiplying (Column 16 - Column 20) x Column 19.
20) The amount of observed acres of phreatophytes within the four ponds.
21) Total monthly evapotranspiration rate for phreatophytes in inches (summed from daily values)
22) Total monthly evapotranspiration for phreatophytes in acre-feet (summed from daily values)
23) Monthly total reacharge calculated from the daily Column 2 x 1.9835 + Column 17 - Column 19 - Column 22 - Next Day's Column 17 - Column 7*1.9835
24) Column 23 multiplied by the monthly CU factor on a daily basis.
25) Lagged HCU return flows using the Ground Water Accounting Model response function for Farm 60.

Lower Arkansas Water Management Association - Fort Lyon Canal Company Recharge Site

Farm 132/133 Recharge Facility (SEO ID No. 6704821): Monthly Totals Based on Daily Data

Month:	% Water Vis. (1)	Measured Inflow (ac-ft) (2)	EOM Pond 1 Staff Gage Reading (ft) (3)	EOM Pond 2 Staff Gage Reading (ft) (4)	EOM Pond 3 Staff Gage Reading (ft) (5)	EOM Pond 4 Staff Gage Reading (ft) (6)	Measured Outflow (ac-ft) (7)	Average Pond 1 Daily Surface Area (ac) (8)	EOM Pond 1 Volume (ac-ft) (9)	Average Pond 2 Daily Surface Area (ac) (10)	EOM Pond 2 Volume (ac-ft) (11)	Average Pond 3 Daily Surface Area (ac) (12)	EOM Pond 3 Volume (ac-ft) (13)	Average Pond 4 Daily Surface Area (ac) (14)	EOM Pond 4 Volume (ac-ft) (15)	Average Daily Surface Area (ac) (16)	EOM Total Volume (ac-ft) (17)	Evap Rate (ft) (18)	Total Pond Evap (ac-ft) (19)	Average Phreatop hytes (ac) (20)	ET (in) (21)	ET (ac-ft) (22)	Total Recharge (ac-ft) (23)	Total HCU Recharge (ac-ft) (24)	Lagged HCU Recharge (ac-ft) (25)
Apr	100.0%	53.65	4.37	2.69	2.67	6.03	0.00	1.14	4.88	0.63	3.69	1.04	2.18	0.59	7.32	3.40	18.06	0.44	1.50	0.00	0.00	0.00	34.09	25.09	4.51
May	100.0%	38.36	4.33	3.77	2.65	0.00	0.00	0.59	4.85	0.10	4.69	0.24	1.69	0.27	0.00	1.21	11.22	0.58	0.70	0.00	0.00	0.00	44.51	33.78	7.40
Jun	100.0%	59.67	0.00	0.00	0.04	2.33	96.11	0.64	0.00	0.29	0.00	0.48	0.00	0.43	2.23	1.85	2.23	0.70	1.30	0.00	0.00	0.00	-28.75	-22.51	10.59
Jul	100.0%	33.98	1.42	0.00	0.04	2.67	84.44	0.55	1.59	0.19	0.00	0.38	0.00	0.62	2.60	1.73	4.19	0.73	1.27	0.00	0.00	0.00	-53.68	-42.25	20.49
Aug	100.0%	60.37	1.44	0.00	0.04	1.53	56.83	0.37	0.60	0.16	0.00	0.40	0.00	0.66	1.39	1.60	1.99	0.65	1.04	0.00	0.00	0.00	4.71	3.60	33.01
Sep	100.0%	8.36	0.00	0.00	0.04	1.38	0.00	0.20	0.00	0.00	0.00	0.07	0.00	0.57	1.25	0.85	1.25	0.48	0.41	0.00	0.00	0.00	8.69	6.22	32.86
Oct	100.0%	22.14	0.00	0.00	0.04	3.25	0.00	0.22	0.00	0.11	0.00	0.29	0.00	0.66	3.43	1.27	3.43	0.34	0.43	0.00	0.00	0.00	19.53	13.34	31.30
Nov	0.0%	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	0.00	0.00	0.19	0.00	0.00	0.00	0.00	3.43	1.63	31.19
Dec	0.0%	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	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	26.51
Jan	0.0%	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	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	22.04
Feb	0.0%	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	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	19.58
Mar	0.0%	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	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	18.18
Totals		276.53					237.38		11.91		8.37		3.87		18.22		42.36	4.85	6.64		0.00	0.00	32.52	18.91	257.66

Notes:

1) Monthly: Percentage of month water visible in recharge site.
2) Measured inflow to recharge facility: http://www.dwr.state.co.us/surfacewater/data/detail_graph.aspx?ID=ARF14SCO&MTYPE=DISCHRG
3) End of Month staff gage reading of Sedimintation Pond 1. (Daily area and volumes are calculated using daily readings).
4) End of Month staff gage reading of Sedimintation Pond 2. (Daily area and volumes are calculated using daily readings).
5) End of Month staff gage reading of Sedimintation Pond 3. (Daily area and volumes are calculated using daily readings).
6) End of Month staff gage reading of Sedimintation Pond 4. (Daily area and volumes are calculated using daily readings).
7) Measured surface water outflow from the recharge facility (Delivery to river will be calculated as an augmentation delivery using the appropriate monthly CU factor)
8) Average daily Sedimintation Pond 1 based on Storage Capacity Table and staff gage readings.
9) End of Month volume of water in Sedimintation Pond 1,
10) Average daily Sedimintation Pond 2 based on Storage Capacity Table and staff gage readings.
11) End of Month volume of water in Sedimintation Pond 2.
12) Average daily Sedimintation Pond 3 based on Storage Capacity Table and staff gage readings.
13) End of Month volume of water in Sedimintation Pond 3.
14) Average daily Sedimintation Pond 4 based on Storage Capacity Table and staff gage readings.
15) End of Month volume of water in Sedimintation Pond 4.
16) Sum of Columns 8, 10, 12, and 14)
17) Sum of Columns 9, 11, 13, and 15)
18) Monthly evaporation rate for ponds near John Martin Dam (Case No. 02CW181, Exhibit R)
19) Total monthly evaporation calculated daily by multiplying (Column 16 - Column 20) x Column 19.
20) The amount of observed acres of phreatophytes within the four ponds.
21) Total monthly evapotranspiration rate for phreatophytes in inches (summed from daily values)
22) Total monthly evapotranspiration for phreatophytes in acre-feet (summed from daily values)
23) Monthly total reacharge calculated from the daily Column 2 x 1.9835 + Column 17 - Column 19 - Column 22 - Next Day's Column 17 - Column 7*1.9835
24) Column 23 multiplied by the monthly CU factor on a daily basis.
25) Lagged HCU return flows using the Ground Water Accounting Model response function for Farm 132/133.

Monthly Factors for FLCC Shares to the Farm 132/133 Recharge Facility

Month	11	12	1	2	3	4	5	6	7	8	9	10
HCU %	47.6%	0.0%	0.0%	0.0%	66.9%	73.6%	75.9%	78.3%	78.7%	76.5%	71.6%	68.3%
WRF %		-2.4%	-2.0%	-1.9%								
WRF Vol Owed		6.69	5.64	5.37								
Lagged HCU		26.51	22.04	19.58								

Lower Arkansas Water Management Association - Fort Lyon Canal Company Recharge Site

Farm 65 Recharge Facility (SEO ID No. 6704822): Monthly Totals Based on Daily Data

Month:	% Water Vis. (1)	Measured Inflow (ac-ft) (2)	EOM Pond 1 Staff Gage Reading (ft) (3)	EOM Pond 2 Staff Gage Reading (ft) (4)	EOM Pond 3 Staff Gage Reading (ft) (5)	EOM Pond 4 Staff Gage Reading (ft) (6)	Measured Outflow (ac-ft) (7)	Average Pond 1 Daily Surface Area (ac) (8)	EOM Pond 1 Volume (ac-ft) (9)	Average Pond 2 Daily Surface Area (ac) (10)	EOM Pond 2 Volume (ac-ft) (11)	Average Pond 3 Daily Surface Area (ac) (12)	EOM Pond 3 Volume (ac-ft) (13)	Average Pond 4 Daily Surface Area (ac) (14)	EOM Pond 4 Volume (ac-ft) (15)	Average Daily Surface Area (ac) (16)	EOM Total Volume (ac-ft) (17)	Evap Rate (ft) (18)	Total Pond Evap (ac-ft) (19)	Average Phreatop hytes (ac) (20)	ET (in) (21)	ET (ac-ft) (22)	Total Recharge (ac-ft) (23)	Total HCU Recharge (ac-ft) (24)	Lagged HCU Recharge (ac-ft) (25)
Apr	100.0%	11.69	3.43	1.56	3.06	5.62	0.00	0.43	0.00	0.09	0.00	0.26	0.00	0.39	0.00	6.75	7.36	0.44	1.50	0.00	0.00	0.00	3.82	2.59	4.76
May	100.0%	36.33	3.59	2.05	2.94	5.00	5.20	0.23	1.96	0.08	1.11	0.13	1.08	0.24	3.21	4.04	9.63	0.58	0.70	0.00	0.00	0.00	28.46	19.50	7.20
Jun	73.3%	49.47	0.00	0.00	0.93	3.27	25.12	0.21	2.66	0.09	2.06	0.15	1.75	0.16	3.18	3.67	2.98	0.70	1.30	0.00	0.00	0.00	30.58	21.10	7.39
Jul	93.5%	32.15	0.00	0.00	1.04	0.00	9.83	0.16	0.26	0.09	0.33	0.16	0.64	0.28	1.76	4.03	0.98	0.73	1.27	0.00	0.00	0.00	23.81	16.14	8.12
Aug	67.7%	16.84	0.00	0.00	0.00	0.00	6.62	0.18	0.15	0.06	0.29	0.09	0.54	0.00	0.00	1.92	0.00	0.65	1.04	0.00	0.00	0.00	10.98	7.35	9.86
Sep	96.7%	8.44	3.61	0.00	0.00	0.21	0.01	0.35	0.00	0.05	0.00	0.10	0.00	0.30	0.00	4.68	1.97	0.48	0.41	0.00	0.00	0.00	6.07	3.87	10.24
Oct	100.0%	8.59	5.82	0.49	2.34	4.92	0.00	0.34	1.88	0.05	0.00	0.09	0.00	0.12	0.10	3.78	7.22	0.34	0.43	0.00	0.00	0.00	3.13	1.97	11.28
Nov	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.41	0.00	0.76	0.00	2.67	0.00	0.00	0.19	0.00	0.00	0.00	0.00	7.22	4.32	11.14
Dec	0.0%	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	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	9.05
Jan	0.0%	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	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	7.54
Feb	0.0%	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	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	6.73
Mar	0.0%	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	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	6.13
Totals		163.50					46.78		10.29		4.19		4.76		10.90		30.13	4.85	6.64		0.00	0.00	114.08	76.84	99.44

Notes:

1) Monthly: Percentage of month water visible in recharge site.
2) Measured inflow to recharge facility: http://www.dwr.state.co.us/surfacewater/data/detail_tabular.aspx?ID=ARF162CO&MTYPE=DISCHRG
3) End of Month staff gage reading of Sedimintation Pond 1. (Daily area and volumes are calculated using daily readings).
4) End of Month staff gage reading of Sedimintation Pond 2. (Daily area and volumes are calculated using daily readings).
5) End of Month staff gage reading of Sedimintation Pond 3. (Daily area and volumes are calculated using daily readings).
6) End of Month staff gage reading of Sedimintation Pond 4. (Daily area and volumes are calculated using daily readings).
7) Measured surface outflow from recharge facility: http://www.dwr.state.co.us/surfacewater/data/detail_tabular.aspx?ID=ARF16TCO&MTYPE=DISCHRG
8) Average daily Sedimintation Pond 1 based on Storage Capacity Table and staff gage readings.
9) End of Month volume of water in Sedimintation Pond 1,
10) Average daily Sedimintation Pond 2 based on Storage Capacity Table and staff gage readings.
11) End of Month volume of water in Sedimintation Pond 2.
12) Average daily Sedimintation Pond 3 based on Storage Capacity Table and staff gage readings.
13) End of Month volume of water in Sedimintation Pond 3.
14) Average daily Sedimintation Pond 4 based on Storage Capacity Table and staff gage readings.
15) End of Month volume of water in Sedimintation Pond 4.
16) Sum of Columns 8, 10, 12, and 14)
17) Sum of Columns 9, 11, 13, and 15)
18) Monthly evaporation rate for ponds near John Martin Dam (Case No. 02CW181, Exhibit R)
19) Total monthly evaporation calculated daily by multiplying (Column 16 - Column 20) x Column 19.
20) The amount of observed acres of phreatophytes within the four ponds.
21) Total monthly evapotranspiration rate for phreatophytes in inches (summed from daily values)
22) Total monthly evapotranspiration for phreatophytes in acre-feet (summed from daily values)
23) Monthly total reacharge calculated from the daily Column 2 x 1.9835 + Column 17 - Column 19 - Column 22 - Next Day's Column 17 - Column 7*1.9835
24) Column 23 multiplied by the monthly CU factor on a daily basis.
25) Lagged HCU return flows using the Ground Water Accounting Model response function for Farm 65.

Monthly Factors for FLCC Shares to the Farm 65 Recharge Facility

Month	11	12	1	2	3	4	5	6	7	8	9	10
HCU %	59.8%	0.0%	0.0%	0.0%	61.8%	67.9%	68.5%	69.0%	67.8%	66.9%	63.7%	62.9%
WRF %		-2.6%	-2.2%	-2.1%								
WRF Vol Owed		4.24	3.52	3.36								
Lagged HCU		**9.05**	**7.54**	**6.73**								

Enclosure 4

LAWMA Fort Lyon Canal Company SWSP Approval

March 31, 2021

Randy L. Hendrix
Hendrix Wai Engineering, Inc.
PO Box 4487
Parker, CO 80134

RE: LAWMA FLCC Substitute Water Supply Plan
Bent and Prowers Counties
Water Division 2, Water Districts 17 and 67
SWSP ID 6108, WDID 1707704
Case No. 19CW3036

Approval Period: April 1, 2021 through March 31, 2022
Contact information for Mr. Hendrix: 720-930-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have received your January 7, 2021 letter requesting a substitute water supply plan (SWSP) pursuant to §37-92-308(4), C.R.S., on behalf of the Lower Arkansas Water Management Association ("LAWMA" or "Applicant"). Notice was sent to all opposers in Case No. 19CW3036 on January 7, 2021. The State Engineer's Office ("SEO") did not receive any comments during the statutory 35-day comment period. The statutory $300 filing fee has been received and given receipt no. 10008580.

SWSP OPERATION

The Fort Lyon Canal Company ("FLCC") is a mutual ditch company that has 93,989.4166 shares of outstanding stock. The FLCC system consists of the Fort Lyon Canal (Main Canal), Fort Lyon Storage Canal (Storage Canal), Horse Creek Reservoir, Adobe Creek Reservoir, and Thurston Reservoir. Water is diverted into the FLCC canal system from the Arkansas River, Horse Creek and Adobe Creek. Additional water is delivered to the Main Canal by release from the three reservoirs identified above. Water is also stored in John Martin Reservoir and is exchanged back upstream to the FLCC headgate for delivery into the Main Canal.

LAWMA acquired 6,080 shares of stock in the FLCC from Arkansas River Farms, LLC ("ARF") in 2017. These shares are referred to as the Phase 1 shares. LAWMA will also acquire 1,429 additional shares of FLCC stock (Phase II shares) by the end of 2021, however that agreement has not yet been finalized. The total of 7,509 shares is the subject of pending Case No. 19CW3036, and this SWSP. The purpose is to change the decreed type and place of use of the water rights associated with the FLCC shares so that water available to those water rights may be used directly, after storage, and by means of recharge for augmentation and

replacement purposes within LAWMA's various augmentation and replacement plans and to add those changed water rights to LAWMA's decreed augmentation plan in Case No. 02CW181.

Colorado Springs Utilities' ("CSU") acquired 2,500 shares of LAWMA common stock from ARF, and LAWMA and CSU entered into a Water Sharing Agreement under which, as part of an alternative transfer method ("ATM") LAWMA will use water available to the ATM shares to make an allocation to the CSU-LAWMA shares. The ATM shares are a subset of the Phase I shares but are not part of this SWSP request in terms of use for municipal purposes by CSU. LAWMA is also requesting to use a portion of the changed water attributable to 3,303 shares by direct use, by exchange, and after storage for all beneficial uses within CSU's existing and future service area.

REVIEW OF APPLICANT'S HISTORICAL CONSUMPTIVE USE ANALYSES

The shares to be changed in Case No. 19CW3036 and this SWSP were historically used on 40 different farms. The historical consumptive use analyses performed on these farms involve the 7,509 shares, which were not necessarily the total shares used on the given farms. The 7,509 shares were referred to as "trade" shares in the analysis.

The study period used was 1950 to 2014, with a subset of 1979 to 2014 to compare the onset of the Winter Water Storage Program. Diversion records were compiled from the Division of Water Resources' records. The water attributed to the shares to be traded were prorated after analysis as a percentage of the total shares. Canal and lateral losses were obtained from the H-I Model, as was the PET, average rooting depth, maximum farm efficiency, precipitation data and SEV losses. Each farm's irrigated acreage was determined from historical aerial photographs from 1947 through 2013 and geo-referenced into GIS software. Each farm analyzed was presented in a separate appendix to the engineering report.

Summaries of the FLCC Water Rights are below (Tables 2 - 4 in report):

Table 2
Direct Flow Water Rights
Fort Lyon Canal Company

Priority	Description	Case No.	Amount (cfs)	Appropriation Date	Decree Date	Pro-rata interest associated with the Trade Shares (cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	Arkansas River Land, Reservoir, and Canal Co.	April 8, 1905	164.64	April 15, 1884	April 8, 1905	13.15
6	Arkansas River Land, Reservoir, and Canal Co.	April 8, 1905	597.16	March 1, 1887	April 8, 1905	47.71
25	Fort Lyon Canal Co.	April 8, 1905	171.20	August 31, 1893	April 8, 1905	13.68
	Total		933.00			74.54

Column Explanations:
1) Priority on the Arkansas River.
2) Owner of original adjudicated water right.
3) Case number, civil action number or decree date.
4) Amount of the original adjudicated water right.
5) Appropriation date for the water right.
6) Adjudication date of the water right.
7) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166

Table 3
Storage Water Rights
Fort Lyon Canal Company

Storage Priority	Description	Case No.	Amount (cfs)	Volume (ac-ft)	Source	Appropriation Date	Decree Date	Pro-rata interest associated with the Trade Shares (cfs)	Pro-rata interest associated with the Trade Shares (af)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10	Horse Creek Reservoir		2,000	11,400	Horse Creek	August 15, 1900	February 3, 1927	159.78	910.77
27.5	Horse Creek Reservoir		840		Arkansas River	January 25, 1906	February 3, 1927	67.11	
50	Horse Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
27.5	Horse Creek Reservoir 1st Enlargement		840	15,487	Arkansas River	January 25, 1906	February 3, 1927	67.11	1,237.29
30.5	Horse Creek Reservoir 1st Enlargement		5,000		Horse Creek	December 20, 1907	February 3, 1927	399.46	
50	Horse Creek Reservoir 1st Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
37	Horse Creek Reservoir 2nd Enlargement		5,000	1,113	Horse Creek	June 12, 1908	February 3, 1927	399.46	88.92
37	Horse Creek Reservoir 2nd Enlargement		840		Arkansas River	June 12, 1908	February 3, 1927	67.11	
50	Horse Creek Reservoir 2nd Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
27.5	Adobe Creek Reservoir		8,631	61,575	Adobe Creek	January 25, 1906	February 3, 1927	689.55	4,919.35
27.5	Adobe Creek Reservoir		840		Arkansas River	January 25, 1906	February 3, 1927	67.11	
50	Adobe Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
41	Adobe Creek Reservoir Enlargement		8,631	25,425	Adobe Creek	December 29, 1908	February 3, 1927	689.55	2,031.25
41	Adobe Creek Reservoir Enlargement		840		Arkansas River	December 29, 1908	February 3, 1927	67.11	
50	Adobe Creek Reservoir Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
	Thurston Reservoir	W27 & 79CW85	355.2	1,515	Arkansas River	August 12, 1889		28.38	121.04
	Total		41,147	116,515				3,287.33	9,970.59

Column Explanations:

1) Reservoir Appropriation Priority per decree.
2) Water right structure.
3) Original water court case number.
4) Amount of the original adjudicated water right in cfs.
5) Volume of storage of the adjudicated water right in acre-feet.
6) Source of water for the water right.
7) Appropriation date for the water right.
8) Adjudication date of the water right.
9) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166
10) LAWMA pro-rata interest in the direct flow water right calculated as Column 4 x 7,509 / 93,989.4166. This water would be delivered to the Main Canal as part of Fort Lyon Canal's normal operations.

Table 4
Other Water Rights
Fort Lyon Canal Company

Description	Case No.	Amount	Units	Source	Comment	Pro-rata interest associated with the Trade Shares (cfs)	Pro-rata interest associated with the Trade Shares (af)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Amity Mutual Irrigation Company - Queens Reservoir	80CW19 89CW76	5,483	af	Queen Reservoir Horse Creek Reservoir Adobe Creek Reservoir John Martin Reservoir			438.05
John Martin Reservoir Change	79CW160 79CW161 80CW51	5,000	af	Queen Reservoir Horse Creek Reservoir Adobe Creek Reservoir	Total cumulative amount		399.46
Change in Diversion Point	79CW178	933	cfs	Horse Creek Reservoir Adobe Creek Reservoir John Martin Reservoir		74.5	
Winter Water Storage Program	84CW179	38,160	af	Horse Creek Reservoir Adobe Creek Reservoir Thurston Reservoir	Of the fist 100,000 ac-ft and 38.16% of all water over 103,106 ac-ft		3,048.68
John Martin Reservoir Exchange	90CW47	544	cfs	John Martin Reservoir	Absolute, annual limit of 15,288.95 af	43.46	
John Martin Reservoir Exchange	90CW47	606	cfs	John Martin Reservoir	Conditional	48.41	
John Martin Reservoir 1980 Operating Plan	Arkansas River Compact Administration, 4/24/1980	20,000	af	John Martin Reservoir	Article III water		1,597.84
Fryingpan-Arkansas Project		Varies					
	Total					166.41	5,484.02

Column Explanations:
1) Description of water right or water source.
2) Water Court case number associated with the water right or water source.
3) Amount of water right or water source.
4) Units of Column 3.
5) Water source for associated water right or water source.
6) Additional comment relating to the water right.
7) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166
8) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166

The 40 farms used for these analyses ranged from La Junta to Lamar (see attached maps C1 and C2). A summary of the descriptions of the farms is given in the attached Table 1. The FLCC has five divisions; La Junta, Horse Creek, Las Animas, Limestone and Lamar, from upstream to downstream. Return flows are either measured and returned through an augmentation station or recharged onsite. There are 8 augmentation stations and 5 recharge sites that were used in the analyses (one site, located on Farm 132/133, functions as both an augmentation station and a recharge site.) A ninth augmentation station, the Wheatridge Lateral, has not yet been built.

The HCU analyses were performed using the Lease-Fallowing Water Accounting Tool ("LFT"), developed by Kelley Thompson of DWR and Colorado State University. The parameters chosen were from the ditch wide parameters of the HI model (decreed in Kansas v. Colorado Supreme Court Ruling) that are built into the LFT, using the function for the Fort Lyon Canal, and one study period of 1950 through 2014 (full study period) and a second study period of 1979 through 2014 (beginning of the Winter Water Storage Program). The Individual unit response functions ("URFs") were calculated for each farm and input into the model. Farm irrigated acreage was determined from aerial photography. The analyses were performed on the total

number of shares delivered to each farm, and prorated for the number of Trade Shares. DWR irrigated acreage data for each farm parcel was applied for the period from 2003 through 2014 in lieu of the data in the original analysis.

Diversion records, On- and Off-Farm lateral losses, initial farm efficiency, tailwater, rooting depth (determined from the HI crop mix), ditch wide crop mix, PET, precipitation, and effective precipitation were all calculated in the same fashion as the HI model. A weighted canal loss of 35.13% was used for all reservoir releases to the Main Canal. Available water holding capacity and starting soil moisture storage content for each farm was determined based on the soils at each farm.

Secondary evaporation losses were included by the consultant on all farms in this application, for the on-farm lateral losses and the tailwater or surface water runoff. SEV credits may have been included for the off-farm lateral losses depending upon the farm's location relative to the Main Canal. DWR does not necessarily agree that the SEV losses should be included in the calculations for consumable credits because the elimination of the representative loss to the river is difficult to demonstrate in the same manner as dryup of irrigated croplands. For the purposes of this SWSP only, DWR has included the SEV losses for on-farm laterals and tailwater as part of the consumable credits for a portion of the farms where return flows were not generally commingled with return flows from farms that remain irrigated. For other farms, no credit was given for SEV losses. All farms will be dried up in order to claim credits for the acquired Trade Shares.

The condition of approval section below includes data regarding monthly and annual volumetric limits and factors by delivery location for operation of this SWSP.

MAINTENANCE OF RETURN FLOWS

There are 13 proposed augmentation stations and recharge sites. Eight sites are augmentation stations only, 4 are recharge sites only, and 1 site is split between an augmentation station and a recharge site. The four dedicated recharge sites and the 1 recharge site that splits deliveries with an augmentation station are all located on farms that are part of this plan. All of the recharge sites must be tested and approved per an agreement between ARF and LAWMA. Once the sites have been tested and approved, water will be delivered to the sites for delivery of the CU credits and return flow obligations. LAWMA will replace the historical return flows with water available to the FLCC shares or with any other fully consumable water legally available to LAWMA for that purpose. To the extent recharge sites are located on dryup lands, credits for Compact compliance may be reduced absent agreement by Kansas to include those acres.

Shares delivered to the augmentation stations and recharge sites differed from the proposed delivery sites in the 2020 SWSP approval. The augmentation credits and return flow obligations have been adjusted according to the corrections in the following table:

Table A
Fort Lyon Canal Shares per Facility Correction Table
Lower Arkansas Water Management Association

WDID	Augmentation / Recharge Facility	Associated Farms	Station(s)	Total FLCC Shares	FLCC Shares in 2020 SWSP Approval	Max FHG (af)	Max FHG Source	Max HCU (af)	Max HCU Source	Comment
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1704820	Farm 60 Recharge	Farm Nos. 3, 40, 57 and 60	ARF027CO	365	509	1,296.6	Table 71	735.2	Table 84	2020 SWSP approval included Farm 65.
6701002	Farm 27 Aug Station	Farm Nos. 1, 2, 27	ARF126CO	1,008	1,324	3,580.7	Table 73	1,507.2	Table 86	2020 SWSP combined Farm 27 and Farm 36 Augmentation Stations
6701006	Farm 36 Aug Station	Farm Nos. 33 and 36	ARF125CO	316	1,324	1,122.5	Table 74	559.7	Table 87	2020 SWSP combined Farm 27 and Farm 36 Augmentation Stations
6701005, 6704821, 6701016	Farm 132/133 Aug Station / Recharge	Farm Nos. 14, 15, 37, 41, 54B*, 58, 132/133	ARF145CO, ARF14SCO, AR151ECO	1,021	1,021	3,650.9	Table 75	2,458.0	Table 88	Maximum FHG includes delivery of 117 shares for return flow obligation to Prowers Arroyo from Headgate 151E
6704822	Farm 65 Recharge	Farm Nos. 65 and 127	ARF162CO	216	72	767.3	Table 77	514.8	Table 90	2020 SWSP approval didn't include Farm 65
6704823, 6704824	Farms 110 / 114 Recharge	Farm Nos. 30N, portion 63, 85, 110, 114	ARF201CO, ARF205CO	738	525	2,621.6	Table 81	1,753.1	Table 94	2020 SWSP approval does not include 213 shares that were used on a portion of Farm No. 63
TBD	Farm 63 Recharge	Farm No. portion 63	TBD	410	623	1,456.4	Table 82	976.8	Table 95	2020 SWSP approval included 213 shares on Farm No. 63 that should be included with Farm 110/114 recharge
Total Shares				6,818	6,818					

Column Explanations:

1 Water District identification number assigned by the Division Engineer's Office.
2 LAWMA augmentation station and / or recharge facility name
3 ARF Farms that are associated with the facility. These farms were identified as part of the Fort Lyon Canal hearing.
4 Satellite telemtry station(s) used for delivery of LAWMA's FLCC shares through augmentation station or to the recharge facility.
5 LAWMA's FLCC shares assigned to each facility as approved by the Fort Lyon Canal during the 2016 hearing.
6 Total FLCC shares assigned to the facilities in LAWMA's 2020 SWSP approval.
7 Maximum farm headgate delivery associated with the FLCC shares in Column 5 as documented in LAWMA's preliminary engineering report in Case No. 19CW3036.
8 Source of the total in Column 7 within the tables of the preliminary engineering report in Case No. 19CW3036.
9 Maximum annual consumptive use associated with the FLCC shares in Column 5 as documented in LAWMA's preliminary engineering report in Case No. 19CW3036.
10 Source of the total in Column 9 within the tables of the preliminary engineering report in Case No. 19CW3036.
11 Comments regarding discrepancies with LAWMA's 2020 SWSP approval and share delivery points as approved by the Fort Lyon Canal during the 2016 hearing.

CONDITIONS OF APPROVAL

This SWSP is hereby approved pursuant to §37-92-308(4), C.R.S., subject to the conditions stated below:

1. This SWSP shall be valid for the period of April 1, 2021 through March 31, 2022, unless otherwise revoked or superseded by decree. Additional SWSPs are required until a court decreed plan for augmentation and change of water right is obtained for the proposed uses. Should an additional SWSP be requested, the provisions of § 37-92-308(4)(b), C.R.S., shall apply. The statutory fee of $300 will be required pursuant to § 37-92-308(8), C.R.S. Any request for an additional SWSP must be submitted to this office no later than January 2, 2022.
2. Approval of this SWSP is for the purposes stated herein. Additional uses for the water that is the subject of this SWSP will be allowed only if a new SWSP is approved for those additional wells/uses and such additional uses are identified in case no. 19CW3036.
3. Changes to water rights will be limited to the ditch and the shares identified in this approval. Changes to include additional shares for the ditch, or changes to include additional ditches will be allowed only if a new SWSP is approved for those additional

shares/ditches and such additional water shares/ditches are identified in case no. 19CW3036.

4. Approval of this SWSP does not in any way eliminate the obligation of the Applicant to comply with any by-laws that restrict use of any of the shares identified in this SWSP. The use of any changed shares in this SWSP must be consistent with any applicable ditch and/or reservoir company by-laws.

5. The Applicant must replace all return flows resulting from operations under this SWSP, including those return flows that are owed to the stream after the expiration date of this SWSP. Such return flows must be included in the Applicant's accounting and projection. Until such time as a decree is granted in pending case no. 19CW3036, the Applicant must maintain a valid SWSP approved under §37-92-308(4) until all lagged return flow obligations resulting from the change of water rights approved by this SWSP have been fully replaced in time, location, and amount.

6. Maps showing the location of the farms, augmentation stations and recharge sites are attached to this approval.

7. For recharge ponds the following conditions apply:
    a. The amount of water recharged to the alluvial aquifer is determined by measuring the amount of water delivered to the recharge structure and subtracting:
        i. the amount of water discharged from the recharge structure (if any),
        ii. the amount of water lost to evaporation,
        iii. the amount of water lost to consumptive use due to vegetation located within the recharge structure, and
        iv. the amount of water retained in the recharge structure that has not yet percolated into the ground.
    b. LAWMA shall report any observable increase in losses at high groundwater table locations down-gradient of the recharge ponds and provide the Division Engineer with an estimate of loss amounts.
    c. Recharge accounting shall be performed using daily values for ditch deliveries, pond content and overflow from the ponds.
    d. Exchange and re-diversion or storage of excess lagged accretions (i.e., if more water is recharged to the aquifer than the amount of deep percolation historical irrigation return flows owed) will not be allowed under this SWSP.

8. Unit Response Functions for each farm are shown in an attachment to this approval.

9. Unit Response Functions for the proposed recharge pits are as shown in an attachment to this approval.

10. Dry-up of the fallowed fields must comply with the "Appendix B.3 to Exhibit A of Kansas v. Colorado, "Operating Procedures for Administration of Parcels Claimed for Augmentation Credits". Re-irrigation of dry-up parcels shall not be allowed during the term of this SWSP. A list of disqualified or discounted parcels claimed in the previous year's SWSP has been attached to this SWSP. Unless adequately remediated and reviewed and approved by the Division Engineer, the credits claimed for these parcels

will be appropriately reduced. Any parcels identified from 2020 with dry up approval problems that are nominated for use in 2021 must be remediated by **May 1, 2021** to qualify for credit.

11. LAWMA shall comply with the provisions of the 1041 Permit in Bent County submitted as Exhibit K to the application in Case No. 19CW3036 and attached to this approval.

12. Augmentation credits and return flow obligations associated with the Fort Lyon Canal shares will be determined at the augmentation stations based on the factors below. The net credit available will be determined after deducting appropriate losses to the point of delivery. Continued maintenance of the physical structures associated with each of the sites described below will be required to ensure compliance with the Division 2 Functional standards. DWR provided LAWMA with a list of concerns by letter from the Water Commissioner, Brandy Cole, dated November 2, 2020 (attached). DWR will work with LAWMA to address any areas of concern and the structures will either be remediated to acceptable standards, or credits may be reduced. DWR will coordinate with LAWMA to provide a specific list of items to be addressed and LAWMA will provide a timeline to address them by **May 15, 2021**. LAWMA will also coordinate with the Water Commissioner by **March 1, 2022** to demonstrate that all structures have been maintained properly and are ready to operate for the 2022 irrigation season.

MONTHLY AND ANNUAL VOLUMETRIC LIMITS AND FACTORS BY DELIVERY LOCATION

Shares delivered to the Farm 60 Recharge Site

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 365 Trade Shares associated with Farms 3, 40, 57, and 60 to the Farm 60 Recharge Site (WDID 1704820). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
41.3	79.8	101.9	112	113.9	124.2	73.2	62.3	46.4	547.7

The table below shows the weighted monthly factors to be applied to deliveries of water to the Farm 60 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	68.3	74.8%	76.3%	78.7%	78.6%	76.1%	71.0%	67.6%	61.9%	
RF's	31.7%	25.2%	23.7%	21.3%	21.4%	23.9%	29.0%	32.4%	38.1%	

Winter RF's as % of Irrigation Season CU	-6.1%							

Measuring devices at the Farm 60 Recharge Site have been approved by the Division Engineer as well as the operation of the recharge site.

Shares delivered to the Horse Creek Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,527 Trade Shares associated with Farms 13, 19, 21, 22, 23, 59 and 61 to the Horse Creek Augmentation Station (WDID 1701000). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
148.7	307.1	402.6	441.0	447.0	496.9	290.7	246.7	182.0	2087.9

The table below shows the weighted monthly factors to be applied to deliveries of water through the Horse Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	51.2%	63.6%	65.6%	69.2%	69.3%	67.2%	61.9%	56.5%	50.0%	
RF's	48.8%	36.4%	34.4%	30.8%	30.7%	32.8%	38.1%	43.5%	50.0%	
Winter RF's as % of Irrigation Season CU			-9.7%							

The Horse Creek Augmentation Station measuring device and delivery system have been approved by the Division Engineer.

Shares delivered to the Upper Gageby Creek Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,008 Trade Shares associated with Farms 1, 2, and 27 to Gageby Creek through an Augmentation Stations (WDID 6701002). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
105.3	211.7	277.7	306.2	314	345.2	204	174	126.1	1499.7

The table below shows the weighted monthly factors to be applied to deliveries of water through the Upper Gageby Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.1%	70.9%	73.5%	77.8%	78.4%	75.6%	70.7%	64.0%	57.4%	
RF's	39.9%	29.1%	26.5%	22.2%	21.6%	24.4%	29.3%	36.0%	42.6%	
Winter RF's as % of Irrigation Season HCU			-7.1%							

The Gageby Upper Augmentation Station measuring devices and delivery systems have been approved by the Division Engineer.

Shares delivered to the Lower Gageby Creek Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 316 Trade Shares associated with Farms 33 and 36 to Gageby Creek through an Augmentation Station (WDID 6701006). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
34.8	67.4	86.1	94.7	96.6	106.1	63.2	54.7	40.7	468.6

The table below shows the weighted monthly factors to be applied to deliveries of water through the Lower Gageby Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	

Depletions	62.6%	68.8%	70.8%	72.1%	71.5%	69.8%	66.0%	64.3%	60.3%	
RF's	37.4%	31.26%	29.2%	27.9%	28.5%	30.2%	34.0%	35.7%	39.7%	
Winter RF's as % of Irrigation Season HCU			-7.4%							

The Gageby Upper and Lower Augmentation Station measuring devices and delivery systems have been approved by the Division Engineer.

Shares delivered to the Farm 132/133 Augmentation Station and Recharge Site

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,021 Trade Shares associated with Farms 14, 15, 37, 41, 54, 58 and 132/133 to the Farm 132/133 Recharge Site (WDID 6704821) and the accompanying Hasty Augmentation Station (WDID 6701005) and Farm Headgate 151E Return Flow Station (WD 6701016). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
115.0	222.9	285.1	315.7	322.8	352.9	209.0	179.8	133.1	1567.7

The table below shows the weighted monthly factors to be applied to deliveries of water to the Farm 132/133 Recharge Site, Hasty Augmentation Station and Headgate 151-E Return Flows Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	66.9%	73.6%	75.9%	78.3%	78.7%	76.5%	71.6%	68.3%	62.8%	
RF's	33.1%	26.4%	24.1%	21.7%	21.3%	23.5%	28.4%	31.7%	37.2%	
Winter RF's as % of Irrigation Season CU			-6.4%							

Note that for the Headgate 151-E delivery point an approved measuring device on telemetry has been installed and approved by the Division Engineer's Office. Measuring devices at the Farm 132/133 Recharge Site and the Hasty Augmentation Station have been approved by the Division Engineer as well as the operation of the recharge site. 117 shares of return flow obligation will be returned to Prowers Arroyo from this headgate.

Shares delivered to the Limestone Creek Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 191 Trade Shares associated with Farm 39 to Limestone Creek through the Limestone Creek Augmentation Station (WDID 6701004). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
20.8	39.7	50.5	54.9	55.5	61.1	36.3	31.5	23.9	269.7

The table below shows the monthly factors to be applied to deliveries of water through the Limestone Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	61.8%	67.9%	68.5%	69.0%	67.8%	66.9%	63.7%	62.9%	59.8%	
RF's	38.2%	32.1%	31.5%	31.0%	32.2%	33.1%	36.3%	37.1%	40.2%	
Winter RF's as % of Irrigation Season CU			-6.8%							

The Limestone Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Farm 65 Recharge Site

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 216 Trade Shares associated with Farms 127 and 65 to the Farm 65 Recharge Site (WDID 1704820). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
24.1	46.3	59.0	64.7	65.7	72.0	42.6	36.7	27.6	318.9

The table below shows the monthly factors to be applied to deliveries of water to the Farm 65 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	66.5%	72.4%	73.7%	75.4%	74.9%	73.0%	68.7%	66.5%	61.9%	
RF's	33.5%	27.6%	26.3%	24.6%	25.1%	27.0%	31.3%	33.5%	38.1%	
Winter RF's as % of Irrigation Season CU			-6.2%							

Measuring devices at the Farm 65 Recharge Site have been approved by the Division Engineer as well as the operation of the recharge site.

Shares delivered to the McClave Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 390 Trade Shares associated with Farms 42 and 64 to the McClave Drain through the McClave Augmentation Station (WDID 6701003). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
43.3	82.1	105.2	114.9	116.4	127.9	75.7	65.5	49.4	565.8

The table below shows the weighted monthly factors to be applied to deliveries of water through the McClave Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	64.9%	70.7%	71.7%	72.7%	71.6%	70.1%	67.3%	64.1%	59.8%	
RF's	35.1%	29.3%	28.3%	27.3%	28.4%	29.9%	32.7%	35.9%	40.2%	
Winter RF's as % of Irrigation Season CU			-6.5%							

The McClave Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Graveyard Arbor Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 314 Trade Shares associated with Farms 53 and Coen Farm to the river through the Arbor Augmentation Station (WDID 6701003). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
31.3	60.0	76.3	83.1	84.0	92.6	55.0	47.7	36.1	407.3

The table below shows the weighted monthly factors to be applied to deliveries of water through the McClave Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	62.1%	68.1%	68.4%	68.8%	67.4%	66.7%	63.8%	62.6%	59.6%	
RF's	37.9%	31.9%	31.6%	31.2%	32.6%	33.3%	36.2%	37.4%	40.4%	
Winter RF's as % of Irrigation Season CU			-6.8%							

The Arbor Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Riverview Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 322 Trade Shares associated with Farm 25 to the Riverview Drain through the Riverview Augmentation Station (WDID 6701000). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
34.9	67.2	85.6	93.4	94.9	104.6	62.4	54.3	40.9	461.0

The table below shows the monthly factors to be applied to deliveries of water through the Riverview Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.9%	
RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.1%	
Winter RF's as % of Irrigation Season CU			-7.2%							

The Riverview Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Farm 110/114 Recharge Site

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 738 Trade Shares associated with Farms 30, 63, 85, 110 and 114 to the Farm 110 Recharge Site (WDIDs 6704823 and 6704824). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
80.0	154.1	196.1	214.1	217.4	239.8	143.0	124.3	93.7	1056.6

The table below shows the monthly factors to be applied to deliveries of water to the Farm 65 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.8%	
RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.2%	
Winter RF's as % of Irrigation Season CU			-5.1%							

The Farm 110/114 Recharge System Operation was approved by the Division Engineer in late 2019 for storage pursuant to a letter dated August 2, 2019 (attached). The data submitted to DWR to review and approve was not complete and DWR has been working with LAWMA to complete the approval. DWR will continue to work with LAWMA during the 2021-22 plan year to complete the approval process pursuant to the Recharge Approval Protocol. Pending the approval, the final agreement on use of the associated shares at this site will be finalized by LAWMA. Final approval of the site and associated measuring devices will be done following the completion of the agreement and credits can begin to be quantified with coordination of the Division Engineer.

Shares delivered to the Farm 63 Recharge Site

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 410 Trade Shares associated with Farm 63 to the Farm 63 Recharge Site (WDID 6704825). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
44.5	85.6	108.9	118.9	120.8	133.2	79.5	69.1	52.1	587.0

The table below shows the monthly factors to be applied to deliveries of water to the Farm 63 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.9%	

RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.1%	
Winter RF's as % of Irrigation Season CU			-7.2%							

The Farm 63 Recharge System Operation has not been approved by the Division Engineer, pending the final agreement on use of the associated shares at this site by LAWMA. Final approval of the site and associated measuring devices will be done following the completion of the agreement.

Shares delivered to the Wheatridge Augmentation Station

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 669 Trade Shares associated with Farms 62, 118 and 141 to the river through the Wheatridge Augmentation Station (WDID 6701011). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max Annual
62.3	121.9	156.2	171.8	175.1	192.5	114.1	98.7	73.0	847.9

The table below shows the monthly factors to be applied to deliveries of water through the Wheatridge Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	62.6%	70.4%	72.9%	75.2%	75.1%	73.1%	68.9%	65.6%	60.1%	
RF's	37.4%	29.6%	27.1%	24.8%	24.9%	26.9%	31.1%	34.4%	39.9%	
Winter RF's as % of Irrigation Season CU			-7.0%							

The Wheatridge Augmentation Station measuring device and delivery system has been approved by the Division Engineer, however LAWMA does not have a final contract for these shares. Final approval of the site and associated measuring device will be done following the completion of the contract by LAWMA.

13. For deliveries from augmentation stations on tributaries that deliver water through the Amity Canal, consumable water measured into the tributary less assessed transit loss shall be bypassed at the Amity Canal along with other waters at any time the Amity's water rights on those tributaries are not in priority.

14. When the Amity water rights on the tributaries are in priority, the net consumable water will be credited to LAWMA at the Amity Canal and will not be required to be bypassed unless the Amity Canal water right on the tributary is fully satisfied.

15. Delivery of water from the changed shares through any drain or tributary will be periodically verified by hydrographic measurement to review assessed transit losses and ensure delivery to the point of depletion replacement. Water introduced into a drain or tributary that causes the flows to increase beyond the normal carrying capacity of the drain or tributary in a manner that causes flooding or damage to adjacent property or structures may be cause for reduction or cessation of deliveries.

16. Pro-rata deliveries at approved Fort Lyon headgate locations and pursuant to agreements with various laterals from which the shares originated shall be made to maintain historical return flows due to canal and lateral losses. Should a dispute arise over property damages believed to be the result of such deliveries, resolution shall be pursuant to the terms of the relevant agreements and the Division Engineer will review the complaint and work with LAWMA to make any necessary adjustments to prevent additional injury to property.

17. Transit losses on all deliveries of LAWMA replacement water shall be as determined by the Division Engineer or his delegated representative.

18. LAWMA will continue to submit the accounting required by the 02CW181 Decree to the Division Engineer's Office by the 10th of each month. Accounting for the Fort Lyon shares within LAWMA's accounting shall incorporate the factors and limits from this SWSP.

19. This SWSP assumes that return flows from deliveries of Fryingpan-Arkansas Project (Fry-Ark) water will be available in amount, time and location to replace a portion of the out-of-priority depletions to senior surface water rights in Colorado and thereby prevent some depletions to usable stateline flow. The State and Division Engineers have determined that the estimates of Fry-Ark return flow to be used in this SWSP are reasonable. If, however, the Fry–Ark return flows prove to be insufficient in amount, time or location to replace out-of-priority depletions to senior surface water rights in Colorado, LAWMA will be required to either: 1) curtail pumping by its member wells or 2) obtain additional sources of replacement water as the State and Division Engineers may direct. LAWMA shall confer with the Division Engineer as requested to determine the amount, time and location of Fry–Ark return flows.

20. Approval of this SWSP does not give LAWMA any rights of use of Fryingpan-Arkansas Project structures, or any rights of ownership or rights to purchase or receive an

allocation of Project water or return flows therefrom and will not alter any existing rights LAWMA may have.

21. LAWMA's purchase and use of Project water and of return flows therefrom shall be consistent with the Allocation Principles of the Southeastern Colorado Water Conservancy District (as they may from time to time be amended), and the lawful rules, regulations, policies, procedures, contracts, charges and terms as may be lawfully determined from time to time by Southeastern, in its sole discretion. Project water or return flows therefrom may be used as a supplemental supply in LAWMA's SWSP only if, and to the extent, such water is allocated by Southeastern to LAWMA, and is purchased from Southeastern.

22. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has occurred or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.

23. The decision of the State Engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in the pending water court case or any other legal action that may be initiated concerning this SWSP. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other SWSPs or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant. Any appeal of a decision made by the State Engineer concerning an SWSP pursuant to §37-92-308(4), C.R.S., shall be to the Division 2 Water Judge within thirty days of the date of this decision and shall be consolidated with the pending court application.

Should you have any questions, please contact Melissa van der Poel in Denver, or Bill Tyner, Division Engineer, in Pueblo, at (719) 542-3368.

Sincerely,

Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: Area maps C1 and C2, 11/2/20 letter from Brandy Cole, list of disqualified or discounted dryup parcels

ec: Division 2 SWSP Review team
Lonnie Spady, East Regional Team Leader
Jeannette Myers, Deputy Water Commissioner District 17
Brandy Cole, Water Commissioner District 67
Opposers to Case No. 19CW3036

DATE FILED: June 3, 2019 3:22 PM
FILING ID: E5BF8661B2E72
CASE NUMBER: 2019CW3036

Adobe Creek Reservoir
Adobe Creek Supply Canal
ADOBE RESERVOIR
Adobe Creek Reservoir Outlet Ditch
Horse Creek
Fort Lyon Storage Canal
Horse Creek Supply Canal
Horse Creek Reservoir Inlet Ditch
Horse Creek Reservoir
Horse Creek Reservoir Outlet Ditch
Kicking Bird Canal
Pueblo Reservoir
FORT LYON STORAGE CANAL
Fort Lyon Canal
Farm 61
Farm 19
Farm 36
Farm 58
KICKING BIRD CANAL
Farm 21
Farm 27
Farm 2
Farm 14
Farm 41
Farm 13
Farm 33
Farm 1
Farm 59
John Martin Reservoir
Farm 54S
Farm 15
Farm 132/133
Farm 22
ARKANSAS RIVER AT LAS ANIMAS, CO.
Arkansas River
Farm 23
Farm 57
Farm 60A
Farm 3
Farm 40
FORT LYON CANAL
ARKANSAS RIVER AT LA JUNTA, CO
US Highway 50
PURGATOIRE RIVER NEAR LAS ANIMAS, CO.
PICKETWIRE VALLEY
Highland Canal
Purgatoire River
SMITH DRAW
Purgatoire River

Legend

- Fort Lyon Storage Canal Headgate
- Fort Lyon Canal Headgate
- Major River Gauges
- ATM Shares Delivery Points
- Kicking Bird Canal
- Horse Creek
- Adobe Creek Supply Canal
- Horse Creek Supply Canal
- Horse Creek Reservoir Inlet / Outlet
- Fort Lyon Storage Canal
- Fort Lyon Canal
- Adobe Creek
- Highland Canal
- Historically Irrigated Acres
- John Martin Reservoir
- Horse Creek Reservoir
- Adobe Creek Reservoir

0 1.5 3 6
Miles

N W E S

Job No.	L101
File:	FLCC Exhibit C Maps.mxd
Date:	3/5/2019
Prepared For:	LAWMA

Exhibit C-1

General Location Map of the Western Portion of the Fort Lyon Canal System

Hendrix Wai Engineering, Inc.

DATE FILED: June 3, 2019 3:22 PM
FILING ID: E5BF8661B2E72
CASE NUMBER: 2019CW3036

Neeskah (Queens) Reservoir
Pawnee Canal
Thurston Pipeline to Canal
Satanta Canal
Thurston Reservoir
Thurston Reservoir Inlet
Fort Lyon Canal
Kicking Bird Canal
Farm 114
Farm 110
Farm 85
Farm 30N
Farm 25
Farm 37
Farm 39N
Farm 63
Farm 141
Farm 118
Farm 62
Farm 58
Farm 19
Farm 36
Farm 14
Farm 21
Farm 27
Farm 2
Farm 41
Farm 1
Farm 33
Farm 59
Farm 22
Farm 23
KICKING BIRD CANAL
John Martin Reservoir
Farm 54S
Farm 15
Farm 132/133
Farm 127
Farm 65
Farm 42
Farm 64
Farm 53
Farm Coen
Arkansas River
ARKANSAS RIVER AT LAMAR, CO.
Fort Bent Ditch
Lamar Canal
Manvel Canal
X-Y Irrigating Ditch
Keesee Ditch
ARKANSAS RIVER BELOW JOHN MARTIN RESERVOIR, CO.
Purgatoire River
PURGATOIRE RIVER NEAR LAS ANIMAS, CO.
KIOWA
BENT
PROWERS
MAY VALLEY
COON VALLEY
BIG TIMBERS
LONG HOLLOW
McClave
Wiley
Lamar
US-Highway-50
US-Highway-287

Legend

- Major River Gauges
- ATM Shares Delivery Points
- Pawnee Canal
- Satanta Canal
- Kicking Bird Canal
- Thurston Reservoir Inlet
- Thurston Pipeline to Canal
- X-Y Irrigating Ditch
- Manvel Canal
- Lamar Canal
- Keesee Ditch
- Fort Bent Canal
- Fort Lyon Canal
- Historically Irrigated Acres
- Queens Reservoir
- Thurston Reservoir
- John Martin Reservoir

0 1.5 3 6
Miles

N W E S

Job No.	L101
File:	FLCC Exhibit C Maps.mxd
Date:	3/5/2019
Prepared For:	LAWMA

Hendrix Wai Engineering, Inc.

Exhibit C-2

General Location Map of the Eastern Portion of the Fort Lyon Canal System

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - La Junta

November 2, 2020

Arkansas River Farms
7991 Schaffer Parkway
Littleton, CO 81027

Subject: ARF Augmentation Station Maintenance for 2021 Irrigation Season

Dear Sirs,

Throughout the 2020 water season, there have been some issues at the ARF augmentation stations that need to be fully remediated prior to next season. For the majority of the 2020 water season and most all of the augmentation sites, once the run was complete the float was not able to reach 0 or below stage readings due to the sedimentation buildup in the stilling wells. Augmentation site downloads had to be continually edited. DWR staff rodded out the inlet pipes, maneuvered thru weeds, and adjusted SDR's to account for the lack of maintenance in an effort to get the augmentation crediting data as accurate as possible.

To ensure that the data is accurate for the upcoming 2021 season, each augmentation station needs to be evaluated and addressed in the following maintenance areas (but not limited to):

- Stilling well sedimentation (i.e. sediment needs removed to bottom of well).
- Inlet pipe functionality (i.e. is pipe clear of sedimentation?, is pipe broken?).
- Flume placement and support (i.e. washing out on downstream end of flume).
- Control vegetation around sites and recharge ponds.
- Ensure augmentation channel efficiency and integrity from flume to creek (i.e. remove debris/vegetation. Notably, ARF 126 and the dryup lands to the east of the augmentation station where it angles to the north, the vegetation is lush and thick. Staff is unable to see if the channel is compromised. ARF 182 has a fallen tree blocking the downstream channel).

Please make arrangements to address the maintenance issues listed above by February 15, 2021 at all ARF augmentation stations and plan to continually address them throughout the water season. If sites are not maintained and accuracy cannot be verified, augmentation credits for that site will be withheld. If you should have any questions, please don't hesitate to contact me.

Sincerely,

Brandy Cole
Water Commissioner District 67

ec: Bill Grasmick - LAWMA
Dan Richards – Richards' Well Calibrations
CDWR – Bill Tyner
CDWR – John VanOrtt
CDWR – Lonnie Spady
CDWR - Rachel Zancanella

2020 DRY UP PARCELS REQUIRING REMEDEATION FOR DRY UP ELIGBILITY IN 2021

PARCEL_ID	REMEDIATION COMMENTS	USER_NO	DITCH	ACRES
22481101	DU: DISCOUNTED 25%, ALFALFAN NO REMEDIATION FROM 2019; FROM 2019 DISCOUNTED 25%, ALFLAFA	20	FORT LYON DS	57.83353
22480107	DU: DISCOUNTED 25%, ALFALFA THROUGH CENTER; FROM 2019 DISQUALIFIED, SIGNIFICANT ALFALFA	20	FORT LYON DS	11.73451
22481102	DU: DISCOUNTED 25% - ALFALFA; FROM 2019 MONITOR FOR ALFALFA	20	FORT LYON DS	16.65887
22481117	DU: DISQUALIFIED, 75% ALFALFA; FROM 2019 DISQUALIFIED, SIGNIFICANT ALFALFA	20	FORT LYON DS	24.15541
22491204	DU: DISQUALIFIED, ALFALFA; FROM 2019 DISQUALIFIED, SIGNIFICANT ALFALFA	20	FORT LYON DS	47.12383
22481905	DU: DISQUALIFIED, SW IRR, DN TO S; SHARE CERT DOESN'T COVER THIS PARCEL (E1/2 OF THE SW1/4)	20	FORT LYON DS	22.26894
22493115	DU: MONITOR FOR TAMARISK, 2 IN 2020; FROM 2019 MONITOR FOR TAMARISK; KS: SEE COMMENT FOR OTHER ARF FARM 15 PARCELS	20	FORT LYON DS	19.75885
22491908	DU: SOME TREES; KS: APPEARS NOT IRRIGATED SINCE 2001 AERIAL PHOTO	20	FORT LYON DS	15.30645
22491918	DU: SOME TREES; KS: APPEARS NOT IRRIGATED SINCE 2001 AERIAL PHOTO	20	FORT LYON DS	15.6931
22491201	DU: DISCOUNTED 50%, ALFALFA; FROM 2019 DISCOUNTED 25%, ALFLAFA	20	FORT LYON DS	31.91245
22481123	DU: DISCOUNTED 50%, ALFALFA; FROM 2019 DISCOUNTED 50%, ALFALFA	20	FORT LYON DS	20.09547
22481108	DU: DISCOUNTED 20%, ALFALFA ON N & S; FROM 2019 MONITOR FOR ALFALFA	20	FORT LYON DS	61.25362
22512601	DU: DISQUALIFIED, LOTS OF TREES; FROM 2019 DISQUALIFIED, TREES/TAMARISK	10	FORT LYON US	28.92869
22512613	DU: DISCOUNTED 10% - ALFALFA ON S; FROM 2019 MONITOR FOR ALFALFA	10	FORT LYON US	13.71004
22532312	DU: DISQUALIFIED, LOTS OF TREES; KS: APPEARS AS NEVER IRR PER AERIAL PHOTOS	10	FORT LYON US	19.07856

22532603	DU: DISCOUNTED 25%, ALFALFA, NO REMEDIATION FROM 2019; COMBINED WITH 22532618 PER LAWMA DRY-UP FILE; KS: APPEARS NOT IRR BEFORE 1975 PER AERIAL PHOTOS	10	FORT LYON US	40.08226
23543011	DU: DISCOUNTED 50%, ALFALFA; FROM 2019 DISCOUNTED 25%, ALFALFA	10	FORT LYON US	10.74089
23541410	DU: DISCOUNTED 50%, ALFALFA, OTHER FARM PARCELS ALSO WITH ALFALFA - REMEDIATE; FROM 2019 DISCOUNTED 25%, ALFALFA, REPEAT ISSUE	10	FORT LYON US	9.67489
23543007	DU: MONITOR, LOTS OF CATTAILS; FROM 2019 MONITOR FOR DITCH SEEP	10	FORT LYON US	10.67359
22512611	DU: REMEDIATE & MONITOR, RAINWATER POOLED ON EASTSIDE DUE TO OBSTRUCTION	10	FORT LYON US	39.18678
23543005	DU: DISCOUNTED 25%, ALFALFA; FROM 2019 MONITOR FOR ALFALFA	10	FORT LYON US	18.0687
22532626	DU: DISQUALIFIED, SW IRR, DN TO S	10	FORT LYON US	14.19973
22513403	DU: MONITOR, SMALL TREES STARTING	10	FORT LYON US	16.88723

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Main Office

November 29, 2021

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

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

Dear Mr. Lewis,

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. This letter also serves to describe the operations in 2021, first described in the letter of March 31, 2021, which provided the initial notice of delivery of water from this replacement source for 2021.

Keesee Ditch operations reported 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, from May 25, 2021 to June 4, 2021 and also from August 2, 2021 and August 6, 2021. 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) except for April when conservation storage from November 2020 through April 2021 was being distributed into accounts. In 2021, the relatively junior third priority Keesee Ditch water right (15 cfs for 1893) was rarely in priority.
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 Colorado 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 2021.

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	164.37	98.12
May	135.53	135.53
June	186.98	186.82
July	290.90	290.88
August	258.76	258.75
September	234.85	234.58
October	157.01	157.00
Total	**1428.40**	**1361.68**

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

Sincerely,

Bill W. Tyner

Bill W. Tyner, P.E.
Division Engineer
Colorado Division of Water Resources

1 Enclosure

cc: Kevin Salter Rachel Duran Dale Book Don Higbee Rachel Zancanella
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Enclosure 1

Keesee Ditch Accounting for 2021

Date	Keesee in Priority (cfs) [1]	Computed CU Water to Account 53 (ac-ft) [2]	Keesee Bypassed for In-State (cfs) [3]	Computed CU Water to Reach 11 (ac-ft) [4]	In Conservation Storage?	Return flows cfs	Total by-pass cfs
4/1/2021	[5]	0.00		0.00	Yes	0.00	0.00
4/2/2021		0.00		0.00	Yes	0.00	0.00
4/3/2021		0.00		0.00	Yes	0.00	0.00
4/4/2021		0.00		0.00	Yes	0.00	0.00
4/5/2021		0.00		0.00	Yes	0.00	0.00
4/6/2021		0.00		0.00	Yes	0.00	0.00
4/7/2021		0.00		0.00	Yes	0.00	0.00
4/8/2021		0.00		0.00	Yes	0.00	0.00
4/9/2021		0.00		0.00	Yes	0.00	0.00
4/10/2021		0.00		0.00	Yes	0.00	0.00
4/11/2021		0.00		0.00	Yes	0.00	0.00
4/12/2021		0.00		0.00	Yes	0.00	0.00
4/13/2021		0.00		0.00	Yes	0.00	0.00
4/14/2021		0.00		0.00	Yes	0.00	0.00
4/15/2021		0.00		0.00	Yes	0.00	0.00
4/16/2021	6.00	4.47	3.00	4.46	No	1.50	3.75
4/17/2021	9.00	6.70	4.50	6.69	No	2.25	5.62
4/18/2021	9.00	6.70	4.50	6.69	No	2.25	5.62
4/19/2021	11.25	10.05	4.50	6.69	No	2.81	6.19
4/20/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/21/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/22/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/23/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/24/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/25/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/26/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/27/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/28/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/29/2021	13.50	13.39	4.50	6.69	No	3.38	6.75
4/30/2021	6.21	2.55	4.50	6.69	No	1.55	4.93
Total Diversion AF=	350.01	164.37	130.91	98.12			
Max Diversion AF=	**350.00**	**Actual Diversion AF=**	480.92	AF			
Max Monthly CU AF=	**262.50**	**Actual CU AF=**	262.49	AF			
		End of Month Adjustment	0.00	AF			
	CU factor for April =	**75.0%**					
	Cumulative Annual Diversion AF=	480.92					
	Maximum Annual Diversion AF=	5006					

Date	Keesee in Priority (cfs) [6]	Computed CU Water to Account 53 (ac-ft) [7]	Keesee Bypassed for In-State (cfs) [8]	Computed CU Water to Reach 11 (ac-ft) [9]	In Conservation Storage?	Return flows cfs	Total by-pass cfs
5/1/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/2/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/3/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/4/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/5/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/6/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/7/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/8/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/9/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/10/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/11/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/12/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/13/2021	13.50	10.31	6.75	10.31	No	3.11	8.30
5/14/2021	1.97	1.50	0.98	1.50	No	0.45	1.21
5/15/2021		0.00		0.00	No	0.00	0.00
5/16/2021		0.00		0.00	No	0.00	0.00
5/17/2021		0.00		0.00	No	0.00	0.00
5/18/2021		0.00		0.00	No	0.00	0.00
5/19/2021		0.00		0.00	No	0.00	0.00
5/20/2021		0.00		0.00	No	0.00	0.00
5/21/2021		0.00		0.00	No	0.00	0.00
5/22/2021		0.00		0.00	No	0.00	0.00
5/23/2021		0.00		0.00	No	0.00	0.00
5/24/2021		0.00		0.00	No	0.00	0.00
5/25/2021		0.00		0.00	Yes	0.00	0.00
5/26/2021		0.00		0.00	Yes	0.00	0.00
5/27/2021		0.00		0.00	Yes	0.00	0.00
5/28/2021		0.00		0.00	Yes	0.00	0.00
5/29/2021		0.00		0.00	Yes	0.00	0.00
5/30/2021		0.00		0.00	Yes	0.00	0.00
5/31/2021		0.00		0.00	Yes	0.00	0.00
Total Diversion AF=	352.00	135.53	176.00	135.53			
Max Diversion AF=	**352.00**	**Actual Diversion AF=**	352.00	AF			
Max Monthly CU AF	**271.04**	**Actual CU AF=**	271.06	AF			
		End of Month Adjustment	0.02	AF			
		CU factor for May =	**77.0%**				
		Cumulative Annual Diversion AF=	832.92				
		Maximum Annual Diversion AF=	5006				

Date	Keesee in Priority (cfs) [10]	Computed CU Water to Account 53 (ac-ft) [11]	Keesee Bypassed for In-State (cfs) [12]	Computed CU Water to Reach 11 (ac-ft) [13]	In Conservation Storage?	Return flows cfs	Total by-pass cfs
6/1/2021	0.00	0.00	0.00	0.00	Yes	0.00	0.00
6/2/2021	0.00	0.00	0.00	0.00	Yes	0.00	0.00
6/3/2021	0.00	0.00	0.00	0.00	Yes	0.00	0.00
6/4/2021	0.00	0.00	0.00	0.00	Yes	0.00	0.00
6/5/2021	12.09	8.75	6.05	8.76	No	3.27	7.68
6/6/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/7/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/8/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/9/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/10/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/11/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/12/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/13/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/14/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/15/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/16/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/17/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/18/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/19/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/20/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/21/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/22/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/23/2021	13.50	9.78	6.75	9.77	No	3.65	8.57
6/24/2021	3.04	2.19	1.52	2.20	No	0.82	1.93
6/25/2021		0.00		0.00	No	0.00	0.00
6/26/2021		0.00		0.00	No	0.00	0.00
6/27/2021		0.00		0.00	No	0.00	0.00
6/28/2021		0.00		0.00	No	0.00	0.00
6/29/2021		0.00		0.00	No	0.00	0.00
6/30/2021		0.00		0.00	No	0.00	0.00
Total Diversion AF=	512.00	186.98	256.00	186.82			
Max Diversion AF=	**512.00 [14]**	**Actual Diversion AF=**	512.00	AF	60.9%	<< LAWMA reduction percentage for June (normally 862 af)	
Max Monthly CU AF=	**373.76**	**Actual CU AF= [15]**	373.80	AF			
		End of Month Adjustment=	0.04	AF			
	CU factor for June =	**73.0%**					
Cumulative Annual Diversion AF=		1344.92					
Maximum Annual Diversion AF=		5006					
Limit Monthly river headgate diversions to 278 a/f delivered to Offset Acct.							
Limit Monthly river headgate diversions to 278 a/f delivered to river for in-state replacement.							

Date	Keesee in Priority (cfs) [17]	Computed CU Water to Account 53 (ac-ft) [18]	Keesee Bypassed for In-State (cfs) [19]	Computed CU Water to Reach 11 (ac-ft) [20]	In Conservation Storage?			Return flows cfs		Total by-pass cfs
7/1/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/2/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/3/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/4/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/5/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/6/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/7/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/8/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/9/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/10/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/11/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/12/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/13/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/14/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/15/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/16/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/17/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/18/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/19/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/20/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/21/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/22/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/23/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/24/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/25/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/26/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/27/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/28/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/29/2021	13.50	9.91	6.75	9.91	No			3.51		.50621880
7/30/2021	4.77	3.51	2.38	3.49	No			1.2402		.99971600
7/31/2021		0.00		0.00	No			0		0
Total Diversion AF=	786.00	290.90	392.99	290.88						
Max Diversion AF=	**786.00**	**Actual Diversion AF=**	**786.00**	AF						
Max Monthly CU AF=	**581.64**	**Actual CU AF= [21]**	581.78	AF						
		End of Month Adjustment=	0.14	AF						
	CU factor for July =	**74.0%**								
Cumulative Annual Diversion AF=		2130.92	Adjusted Max	786						
Maximum Annual Diversion AF=		5006								
Limit Monthly river headgate diversions to 393 a/f delivered to Offset Acct.										
Limit Monthly river headgate diversions to 393 a/f delivered to river for in-state replacement.										

Date	Keesee in Priority (cfs) [1]	Computed CU Water to Account 53 (ac-ft) [2]	Keesee Bypassed for In-State (cfs) [3]	Computed CU Water to Reach 11 (ac-ft) [4]	In Conservation Storage?	# of hours NOT in Conservation Storage?	Return flows cfs	Total by-pass cfs
8/1/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/2/2021	13.50	7.03	5.06	7.03	Yes	18	4.05	7.59
8/3/2021	13.50	0.00		0.00	Yes		4.05	4.05
8/4/2021	13.50	0.00		0.00	Yes		4.05	4.05
8/5/2021	13.50	0.00		0.00	Yes		4.05	4.05
8/6/2021	13.50	8.11	5.84	8.10	Yes	20.75	4.05	8.13
8/7/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/8/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/9/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/10/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/11/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/12/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/13/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/14/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/15/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/16/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/17/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/18/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/19/2021	13.50	9.37	**6.75**	9.37	No		4.05	8.77
8/20/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/21/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/22/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/23/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/24/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/25/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/26/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/27/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/28/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/29/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/30/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
8/31/2021	13.50	9.37	6.75	9.37	No		4.05	8.77
Total Diversion AF=	830.09	258.76	356.33	258.75				
Max Diversion AF=	**890.00**	**Actual Diversion AF=**	830.09	AF				
Max Monthly CU AF=	**623.00**	**Actual CU AF= [5]**	517.51	AF				
		End of Month Adjustment=	0.00	AF				
	CU factor for August =	**70.0%**						
	Cumulative Annual Diversion AF=	2961.02						
	Maximum Annual Diversion AF=	5006						

Limit Monthly river headgate diversions to a/f delivered to Offset Acct.

Limit Monthly river headgate diversions to a/f delivered to river for in-state replacement.

Date	Keesee in Priority (cfs) [29]	Computed CU Water to Account 53 or 55 (ac-ft) [30]	Keesee Bypassed for In-State (cfs) [31]	Computed CU Water to Reach 11 (ac-ft) [32]	In Conservation Storage?	Return flows cfs	Total by-pass cfs
9/1/2021	13.50	8.71	6.75	8.70	No	4.725	9.111
9/2/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/3/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/4/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/5/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/6/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/7/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/8/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/9/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/10/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/11/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/12/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/13/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/14/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/15/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/16/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/17/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/18/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/19/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/20/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/21/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/22/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/23/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/24/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/25/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/26/2021	13.50	8.71	6.75	8.70	No	4.73	9.11
9/27/2021	13.01	8.39	6.50	8.38	No	4.55	8.78
9/28/2021		0.00		0.00	No	0.00	0.00
9/29/2021		0.00		0.00	No	0.00	0.00
9/30/2021		0.00		0.00	No	0.00	0.00
Total Diversion AF=	722.00	234.85		234.58			
Max Diversion AF=	**722.00**	**Actual Diversion AF=**	722.00	AF			
Max Monthly CU AF=	**469.30**	**Actual CU AF= [33]**	469.43	AF			
		End of Month Adjustment=	0.13	AF			
	CU factor for September =	**65.0%**					
	Cumulative Annual Diversion AF=	3683.02					
	Maximum Annual Diversion AF=	5006					

Limit Monthly river headgate diversions to 363 a/f delivered to Offset Acct.

Limit Monthly river headgate diversions to 363 a/f delivered to river for in-state replacement.

Date	Keesee in Priority (cfs) [35]	Computed CU Water to Account 53 or 55 (ac-ft) [36]	Keesee Bypassed for In-State (cfs) [37]	Computed CU Water to Reach 11 (ac-ft) [38]	In Conservation Storage?			Return flows cfs		Total by-pass cfs
10/1/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/2/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/3/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/4/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/5/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/6/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/7/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/8/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/9/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/10/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/11/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/12/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/13/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/14/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/15/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/16/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/17/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/18/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/19/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/20/2021	13.50	7.70	6.75	7.70	No			5.7375		9.61952672
10/21/2021	5.27	3.01	2.63	3.00	No			2.23975		3.752227943
10/22/2021		0.00		0.00	No			0		0
10/23/2021		0.00		0.00	No			0		0
10/24/2021		0.00		0.00	No			0		0
10/25/2021		0.00		0.00	No			0		0
10/26/2021		0.00		0.00	No			0		0
10/27/2021		0.00		0.00	No			0		0
10/28/2021		0.00		0.00	No			0		0
10/29/2021		0.00		0.00	No			0		0
10/30/2021		0.00		0.00	No			0		0
10/31/2021		0.00		0.00	No			0		0
Total Diversion AF=	546.00	157.01	272.99	157.00						
Max Diversion AF=	**546.00**	**Actual Diversion AF=**	546.00	AF						
Max Monthly CU AF=	**313.95**	**Actual CU AF= [39]**	314.01	AF						
		End of Month Adjustment=	0.06	AF						
		CU factor for October =	**57.5%**							
		Cumulative Annual Diversion AF=	4502.01							
		Maximum Annual Diversion AF=	5006							
		End of Year Adjustment=	0.00	AF						

Limit Monthly river headgate diversions to 431 a/f delivered to Offset Acct.

Limit Monthly river headgate diversions to 431 a/f delivered to river for in-state replacement.

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Main Office

November 29, 2021

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir – Highland Water Right

Dear Mr. Lewis,

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 final operations in 2021, first described in the letter of March 31, 2021, which provided the initial notice of the delivery of water from this replacement source for 2021.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for 2021 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary's Report.

In April all LAWMA deliveries were made to the Offset Account in John Martin Reservoir. In May, all deliveries were made to the Offset Account for May 1-5 and May 8-10 and between May 6-7 and May 11-31 all deliveries were split between the Permanent Pool and the Offset account. In June, between June 1-3 and June 5-30, all deliveries were split between the Permanent Pool and the offset Account. On June 4 the entire daily delivery was made to the Offset Account. Between July 1 and August 26, deliveries were split between the two accounts. All deliveries were sent to the Permanent Pool between August 27 and September 3. Then, September 4-7, deliveries were again split between the two accounts. Finally, between September 8 and October 31 all deliveries were made to the Offset Account.

Deliveries to the Permanent Pool were as authorized under the Resolution and Agreement included in Enclosure 2, which was made permanent on February 21st 2019. Colorado Parks and Wildlife was also required to obtain approval for a Substitute Water Supply Plan to allow temporary use of the Highland Canal water rights for use in the Permanent Pool and the approval letter for that Substitute Water Supply Plan is included in Enclosure 3. Finally, as the Substitute Water Supply Plan Approvals are limited to a 5 renewal plans, an Application to the Colorado Water Court for a change of use of the Highland Canal water right for use in the Permanent Pool was submitted to the court on April 16, 2020 under case 20CW3015. A copy of the application is included in Enclosure 4. To date, the case is not yet final.

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

Highland Accounting Summary

(values in acre-feet)

	Direct Flow Consumptive Use Credits				Delivery To	
	02CW181	10CW85	Total	Bypassed for In-State Replacement	Delivery to the Permanent Pool	Delivery to the Offset Account
April	47.55	2.40	49.94	0.00	0.00	49.94
May	672.36	34.83	707.19	0.00	109.93	597.26
June	1,168.05	57.29	1,225.34	0.00	149.62	1,075.71
July	732.33	35.95	768.28	0.00	289.04	479.24
August	773.34	37.96	811.31	0.00	228.02	583.28
September	207.68	10.19	217.87	0.00	5.96	211.91
October	85.71	4.21	89.91	0.00	0.00	89.91
	3,687.02	182.83	3,869.84	0.00	782.58	3,087.27

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

Sincerely,

Bill W. Tyner

Bill Tyner, P.E.
Division Engineer
Colorado Division of Water Resources

Enclosures (4)

cc: Kevin Salter Rachel Duran Dale Book Don Higbee Rachel Zancanella
Randy Hendrix Dan Steuer Bethany Arnold Phil Reynolds

Enclosure 1

Highland Canal Accounting for 2021

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [1]	Ca al Flume [2	WD 67 River Call? [3]	Available in Priority No 67 Call [4]	In Stream in Priority [5]	LAWMA's 02CW181 Portion [6]	LAWMA's 10CW85 Portion [7]	rloss#1 [8	rloss#2 [9	loss#3 [10	LAWMA tlossfctr [11]	crdtoffst [12]	Purg@hgh [13	urg@LA [14	rk@LA [15	rkconfl [16	ctor#1 [17	ctor#2 [18	ctor#3 [19]	LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]	Total
4/1/2021	1.07	0.00	No	1.07	1.07	1.02	0.05	0.017	0.006	0.049	0.08671	acre ft	1.07	2.7	24.2	26.9	0.290	0.290	0.290	1.02	0.05	0.39	0.02	0.41
4/2/2021	1.14	0.00	No	1.14	1.14	1.09	0.05	0.017	0.006	0.049	0.08671	**1.19**	1.14	2.4	19.8	22.2	0.290	0.290	0.290	1.09	0.05	0.42	0.02	0.44
4/3/2021	1.73	0.00	No	1.73	1.73	1.65	0.08	0.017	0.006	0.049	0.08671	**1.27**	1.73	2.5	19.7	22.2	0.290	0.290	0.290	1.65	0.08	0.63	0.03	0.66
4/4/2021	1.80	0.00	No	1.80	1.80	1.72	0.08	0.017	0.006	0.049	0.08671	**1.93**	1.80	2.4	19.6	22.0	0.290	0.290	0.290	1.72	0.08	0.66	0.03	0.69
4/5/2021	1.21	0.00	No	1.21	1.21	1.15	0.06	0.017	0.006	0.049	0.08671	**2.01**	1.21	3.8	19.5	23.3	0.290	0.290	0.290	0.00	0.06	0.44	0.02	0.46
4/6/2021	1.09	0.00	No	1.09	1.09	1.04	0.05	0.017	0.006	0.049	0.08671	**1.35**	1.09	12.1	20.3	32.4	0.290	0.290	0.290	1.04	0.05	0.40	0.02	0.42
4/7/2021	1.06	0.00	No	1.06	1.06	1.01	0.05	0.017	0.006	0.049	0.08671	**1.22**	1.06	5.0	19.8	24.8	0.290	0.290	0.290	1.01	0.05	0.39	0.02	0.41
4/8/2021	3.67	0.00	No	3.67	3.67	3.50	0.17	0.017	0.006	0.049	0.08671	**1.18**	3.67	3.1	19.9	23.0	0.290	0.290	0.290	3.50	0.17	1.34	0.07	1.41
4/9/2021	2.90	0.00	No	2.90	2.90	2.76	0.14	0.017	0.006	0.049	0.08671	**4.10**	2.90	3.9	19.0	22.9	0.290	0.290	0.290	2.76	0.14	1.06	0.05	1.11
4/10/2021	2.06	0.00	No	2.06	2.06	1.96	0.10	0.017	0.006	0.040	0.075120	**3.24**	2.06	32.1	19.3	51.4	0.290	0.290	0.233	1.96	0.10	0.75	0.04	0.79
4/11/2021	1.57	0.00	No	1.57	1.57	1.50	0.07	0.017	0.006	0.049	0.08671	**2.33**	1.57	22.2	18.1	40.3	0.290	0.290	0.290	1.50	0.07	0.57	0.03	0.60
4/12/2021	1.26	0.00	No	1.26	1.26	1.20	0.06	0.017	0.006	0.049	0.08671	**1.75**	1.26	8.2	18.8	27.0	0.290	0.290	0.290	1.20	0.06	0.46	0.02	0.48
4/13/2021	1.24	0.00	No	1.24	1.24	1.18	0.06	0.017	0.006	0.049	0.08671	**1.41**	1.24	4.0	18.5	22.5	0.290	0.290	0.290	1.18	0.06	0.45	0.02	0.48
4/14/2021	1.15	0.00	No	1.15	1.15	1.10	0.05	0.017	0.006	0.049	0.08671	**1.38**	1.15	2.6	17.2	19.8	0.290	0.290	0.290	1.10	0.05	0.42	0.02	0.44
4/15/2021	1.16	0.00	No	1.16	1.16	1.11	0.05	0.017	0.006	0.049	0.08671	**1.28**	1.16	2.4	17.3	19.7	0.290	0.290	0.290	1.11	0.05	0.42	0.02	0.45
4/16/2021	1.38	0.00	No	1.38	1.38	1.32	0.06	0.017	0.006	0.049	0.08671	**1.29**	1.38	2.5	19.2	21.7	0.290	0.290	0.290	1.32	0.06	0.51	0.02	0.53
4/17/2021	1.71	0.00	No	1.71	1.71	1.63	0.08	0.017	0.006	0.049	0.08671	**1.54**	1.71	2.5	19.3	21.8	0.290	0.290	0.290	1.63	0.08	0.63	0.03	0.66
4/18/2021	1.46	0.00	Yes	1.46	1.46	1.39	0.07	0.017	0.006	0.049	0.08671	**1.91**	1.46	2.4	18.9	21.3	0.290	0.290	0.290	1.39	0.07	0.53	0.03	0.56
4/19/2021	1.42	0.00	Yes	1.42	1.42	1.35	0.07	0.017	0.006	0.049	0.08671	**1.63**	1.42	2.4	17.4	19.8	0.290	0.290	0.290	1.35	0.07	0.52	0.03	0.54
4/20/2021	1.12	0.00	Yes	1.12	1.12	1.07	0.05	0.017	0.006	0.049	0.08671	**1.59**	1.12	2.8	21.4	24.2	0.290	0.290	0.290	1.07	0.05	0.41	0.02	0.43
4/21/2021	1.20	0.00	Yes	1.20	1.20	1.14	0.06	0.017	0.006	0.049	0.08671	**1.25**	1.20	2.6	24.6	27.2	0.290	0.290	0.290	1.14	0.06	0.44	0.02	0.46
4/22/2021	1.04	0.00	Yes	1.04	1.04	0.99	0.05	0.017	0.006	0.049	0.08671	**1.34**	1.04	3.3	25.4	28.7	0.290	0.290	0.290	0.99	0.05	0.38	0.02	0.40
4/23/2021	1.01	0.00	Yes	1.01	1.01	0.96	0.05	0.017	0.006	0.049	0.08671	**1.16**	1.01	10.6	27.7	38.3	0.290	0.290	0.290	0.96	0.05	0.37	0.02	0.39
4/24/2021	1.34	0.00	Yes	1.34	1.34	1.28	0.06	0.017	0.006	0.049	0.08671	**1.13**	1.34	5.5	25.8	31.3	0.290	0.290	0.290	1.28	0.06	0.49	0.02	0.51
4/25/2021	1.92	0.00	Yes	1.92	1.92	1.83	0.09	0.017	0.006	0.049	0.08671	**1.50**	1.92	8.0	20.9	28.9	0.290	0.290	0.290	1.83	0.09	0.70	0.03	0.74
4/26/2021	1.56	0.00	Yes	1.56	1.56	1.49	0.07	0.017	0.006	0.049	0.08671	**2.14**	1.56	11.1	19.2	30.3	0.290	0.290	0.290	1.49	0.07	0.57	0.03	0.60
4/27/2021	1.57	0.00	Yes	1.57	1.57	1.50	0.07	0.017	0.006	0.049	0.08671	**1.74**	1.57	18.5	18.9	37.4	0.290	0.290	0.290	1.50	0.07	0.57	0.03	0.60
4/28/2021	2.89	0.00	Yes	2.89	2.89	2.75	0.14	0.017	0.006	0.049	0.08671	**1.75**	2.89	7.2	19.0	26.2	0.290	0.290	0.290	2.75	0.14	1.06	0.05	1.11
4/29/2021	1.27	0.00	Yes	1.27	1.27	1.21	0.06	0.017	0.006	0.049	0.08671	**3.23**	1.27	3.3	19.6	22.9	0.290	0.290	0.290	1.21	0.06	0.46	0.02	0.49
4/30/2021	1.07	0.00	Yes	1.07	1.07	1.02	0.05	0.017	0.006	0.049	0.08671	**1.42**	1.07	2.4	19.4	21.8	0.290	0.290	0.290	1.02	0.05	0.39	0.02	0.41
5/1/2021	1.08	0.00	Yes									**1.19**		2.2	19.3									
												50.26												

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**87**	**4**
02CW181 CU factor for April =	61.6%	MAX =	**493 [24]**	**37 [25]**
10CW85 CU factor for April =	62.1%	Exceeded?	No	No
02CW181 LAWMA SHARES =	3402			
10CW85 LAWMA SHARES =	167			
DIVERTED SHARES =	231			
TOTAL SHARES =	3800			

<<Normally 1445 for 02CW181 and 71 for 10CW85

02CW181 Cumulative Annual LAWMA=	**87**
02CW181 Annual Limit LAWMA=	12862
10CW85 Cumulative Annual Leased=	**4**
10CW85 Annual Limit Leased=	602

53.65607378	100%	53.656(
2.655289881	100%	2.6552(

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
April 2021

Date	In Stream in Priority (cfs) [26]	LAWMA's Instream Portion (cfs) [27]	Transit Loss to JMR (%) [28]	Arrival Rate at JMR (cfs) [29]	Arrival Quantity at JMR (ac-ft) [30]	Computed CU Water at JMR (ac-ft) [31]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [32]	Amount of CU Water to Offset Account (ac-ft) [33]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
4/2/2021	1.07	1.07	0.08671	0.98	1.94	1.19	0.06	No	Yes	0.00	0.00	1.19	0.00	0.00	0.00	0	0.6544127	1.00	0.5
4/3/2021	1.14	1.14	0.08671	1.04	2.07	1.27	0.06	No	Yes	0.00	0.00	1.27	0.00	0.00	0.00	0	0.6972248	1.00	0.5
4/4/2021	1.73	1.73	0.08671	1.58	3.13	1.93	0.09	No	Yes	0.00	0.00	1.93	0.00	0.00	0.00	1	1.0580692	2.00	0.509
4/5/2021	1.80	1.80	0.08671	1.64	3.26	2.01	0.10	No	Yes	0.00	0.00	2.01	0.00	0.00	0.00	1	1.1008813	2.00	0.509
4/6/2021	1.21	1.21	0.08671	1.11	2.19	1.35	0.06	No	Yes	0.00	0.00	1.35	0.00	0.00	0.00	0	0.7400368	1.00	0.5
4/7/2021	1.09	1.09	0.08671	1.00	1.97	1.22	0.06	No	Yes	0.00	0.00	1.22	0.00	0.00	0.00	0	0.6666447	1.00	0.5
4/8/2021	1.06	1.06	0.08671	0.97	1.92	1.18	0.06	No	Yes	0.00	0.00	1.18	0.00	0.00	0.00	0	0.6482967	1.00	0.5
4/9/2021	3.67	3.67	0.08671	3.09	6.13	3.78	0.37	No	Yes	0.00	0.00	3.78	0.00	0.00	0.00	1	2.0692728	4.00	0.527
4/10/2021	2.90	2.90	0.08671	2.65	5.25	3.24	0.16	No	Yes	0.00	0.00	3.24	0.00	0.00	0.00	1	1.7736421	3.00	0.518
4/11/2021	2.06	2.06	0.07512	1.91	3.78	2.33	0.10	No	Yes	0.00	0.00	2.33	0.00	0.00	0.00	1	1.2622783	2.00	0.509
4/12/2021	1.57	1.57	0.08671	1.43	2.84	1.75	0.08	No	Yes	0.00	0.00	1.75	0.00	0.00	0.00	1	0.9602137	2.00	0.509
4/13/2021	1.26	1.26	0.08671	1.15	2.28	1.41	0.07	No	Yes	0.00	0.00	1.41	0.00	0.00	0.00	0	0.7706169	1.00	0.5
4/14/2021	1.24	1.24	0.08671	1.13	2.25	1.38	0.07	No	Yes	0.00	0.00	1.38	0.00	0.00	0.00	0	0.7583849	1.00	0.5
4/15/2021	1.15	1.15	0.08671	1.05	2.08	1.28	0.06	No	Yes	0.00	0.00	1.28	0.00	0.00	0.00	0	0.7033408	1.00	0.5
4/16/2021	1.16	1.16	0.08671	1.06	2.10	1.29	0.06	No	Yes	0.00	0.00	1.29	0.00	0.00	0.00	0	0.7094568	1.00	0.5
4/17/2021	1.38	1.38	0.08671	1.26	2.50	1.54	0.07	No	Yes	0.00	0.00	1.54	0.00	0.00	0.00	0	0.8440096	1.00	0.5
4/18/2021	1.71	1.71	0.08671	1.56	3.10	1.91	0.09	No	Yes	0.00	0.00	1.91	0.00	0.00	0.00	1	1.0458372	2.00	0.509
4/19/2021	1.46	1.46	0.08671	1.33	2.64	1.63	0.08	No	Yes	0.00	0.00	1.63	0.00	0.00	0.00	1	0.8929370	1.00	0.5
4/20/2021	1.42	1.42	0.08671	1.30	2.57	1.59	0.08	No	Yes	0.00	0.00	1.59	0.00	0.00	0.00	0	0.8684736	1.00	0.5
4/21/2021	1.12	1.12	0.08671	1.02	2.03	1.25	0.06	No	Yes	0.00	0.00	1.25	0.00	0.00	0.00	0	0.6849928	1.00	0.5
4/22/2021	1.20	1.20	0.08671	1.10	2.17	1.34	0.06	No	Yes	0.00	0.00	1.34	0.00	0.00	0.00	0	0.7339208	1.00	0.5
4/23/2021	1.04	1.04	0.08671	0.95	1.88	1.16	0.06	No	Yes	0.00	0.00	1.16	0.00	0.00	0.00	0	0.6360647	1.00	0.5
4/24/2021	1.01	1.01	0.08671	0.92	1.83	1.13	0.05	No	Yes	0.00	0.00	1.13	0.00	0.00	0.00	0	0.6177167	1.00	0.5
4/25/2021	1.34	1.34	0.08671	1.22	2.43	1.50	0.07	No	Yes	0.00	0.00	1.50	0.00	0.00	0.00	0	0.8195449	1.00	0.5
4/26/2021	1.92	1.92	0.08671	1.75	3.48	2.14	0.10	No	Yes	0.00	0.00	2.14	0.00	0.00	0.00	1	1.1742733	2.00	0.509
4/27/2021	1.56	1.56	0.08671	1.42	2.83	1.74	0.08	No	Yes	0.00	0.00	1.74	0.00	0.00	0.00	1	0.9540975	2.00	0.509
4/28/2021	1.57	1.57	0.08671	1.43	2.84	1.75	0.08	No	Yes	0.00	0.00	1.75	0.00	0.00	0.00	1	0.9602137	2.00	0.509
4/29/2021	2.89	2.89	0.08671	2.64	5.24	3.23	0.16	No	Yes	0.00	0.00	3.23	0.00	0.00	0.00	1	1.7675261	3.00	0.518
4/30/2021	1.27	1.27	0.08671	1.16	2.30	1.42	0.07	No	Yes	0.00	0.00	1.42	0.00	0.00	0.00	0	0.7767329	1.00	0.5
5/1/2021	1.07	1.07	0.08671	0.98	1.94	1.19	0.06	No	Yes	0.00	0.00	1.19	0.00	0.00	0.00	0	0.6544127	1.00	0.5
Totals												49.94	0.00 [34]						

	Entire Month of April
Total In Stream Priority	**91.38**
LAWMA's Instream Portion	**91.38**
Arrival Amount at JMR	**82.98**
Return Flow Obligation	**35.07**
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**8.40**
CU Arrival at JMR	**51.14**
Total CU Bypassed for In-State Replacement	**0.00**
Total CU Water to Permanent Pool	**0.00**
Total CU Water to Offset Account	**51.14**
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85)	**2.63 [35]**
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**
Total CU Transit Loss to LAWMA (Permanent Pool)	**2.63**
Total CU Transit Loss to LAWMA (Offset Account)	**0.00**

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [36]	Canal Flume [37]	WD 67 River Call? [38]	Available in Priority No 67 Call [39]	In Stream in Priority [40]	LAWMA's 02CW181 Portion [41]	LAWMA's 10CW85 Portion [42]	loss#1 [43	loss#2 [44	loss#3 [45	LAWMA tlossfctr [46]	crdtoffst [47]	urg@hgh [48	urg@LA [49	rk@LA [50	rkconfl [51	actor#1 [52	actor#2 [53	actor#3 [54]	LAWMA's 02CW181 Portion [55]	LAWMA's 10CW85 Portion [56]	LAWMA's 02CW181 Portion [57]	LAWMA's 10CW85 Portion [58]	Total
5/1/2021	1.08	0.00	Yes	1.08	1.08	1.03	0.05	0.017	0.006	0.049	0.08671	acre ft	1.1	2.15	19.30	21.45	0.290	0.290	0.290	1.03	0.05	0.33	0.02	0.35
5/2/2021	1.08	0.00	Yes	1.08	1.08	1.03	0.05	0.017	0.006	0.049	0.08671	**1.32**	1.1	2.43	18.60	21.03	0.290	0.290	0.290	1.03	0.05	0.33	0.02	0.35
5/3/2021	0.89	0.00	Yes	0.89	0.89	0.85	0.04	0.017	0.006	0.049	0.08671	**1.32**	0.9	12.30	18.60	30.90	0.290	0.290	0.290	0.85	0.04	0.27	0.01	0.29
5/4/2021	0.80	0.00	Yes	0.80	0.80	0.77	0.04	0.017	0.006	0.049	0.08671	**1.09**	0.8	3.37	19.10	22.47	0.290	0.290	0.290	0.77	0.04	0.25	0.01	0.26
5/5/2021	0.71	0.00	Yes	0.71	0.71	0.67	0.03	0.017	0.006	0.049	0.08671	**0.99**	0.7	2.42	18.30	20.72	0.290	0.290	0.290	0.67	0.03	0.22	0.01	0.23
5/6/2021	0.49	0.00	Yes	0.49	0.49	0.47	0.02	0.017	0.006	0.049	0.08671	**0.86**	0.5	2.28	18.30	20.58	0.290	0.290	0.290	0.47	0.02	0.15	0.01	0.16
5/7/2021	0.50	0.00	Yes	0.50	0.50	0.48	0.02	0.017	0.006	0.049	0.08671	**0.60**	0.5	2.01	18.90	20.91	0.290	0.290	0.290	0.48	0.02	0.16	0.01	0.16
5/8/2021	0.41	0.00	Yes	0.41	0.41	0.39	0.02	0.017	0.006	0.049	0.08671	**0.62**	0.4	1.82	18.30	20.12	0.290	0.290	0.290	0.39	0.02	0.13	0.01	0.13
5/9/2021	0.34	0.00	Yes	0.34	0.34	0.32	0.02	0.017	0.006	0.049	0.08671	**0.50**	0.3	2.20	18.10	20.30	0.290	0.290	0.290	0.32	0.02	0.10	0.00	0.11
5/10/2021	0.40	0.00	Yes	0.40	0.40	0.38	0.02	0.017	0.006	0.049	0.08671	**0.41**	0.4	3.04	18.40	21.44	0.290	0.290	0.290	0.38	0.02	0.12	0.01	0.13
5/11/2021	2.56	0.00	Yes	2.56	2.56	2.44	0.12	0.017	0.006	0.049	0.08671	**0.49**	2.6	14.30	28.60	42.90	0.290	0.290	0.290	2.44	0.12	0.79	0.04	0.83
5/12/2021	2.62	0.00	Yes	2.62	2.62	2.50	0.12	0.017	0.006	0.040	0.075120	**3.14**	2.6	20.10	68.40	88.50	0.290	0.290	0.233	2.50	0.12	0.81	0.04	0.85
5/13/2021	0.78	0.00	Yes	0.78	0.78	0.74	0.04	0.017	0.006	0.040	0.075120	**3.25**	0.8	17.40	38.00	55.40	0.290	0.290	0.233	0.74	0.04	0.24	0.01	0.25
5/14/2021	3.64	0.00	Yes	3.64	3.64	3.47	0.17	0.017	0.006	0.049	0.08671	**0.97**	3.6	4.68	39.50	44.18	0.290	0.290	0.290	3.47	0.17	1.12	0.05	1.18
5/15/2021	1.21	0.00	Yes	1.21	1.21	1.15	0.06	0.017	0.006	0.040	0.075120	**4.46**	1.2	3.66	85.50	89.16	0.290	0.290	0.233	1.15	0.06	0.37	0.02	0.39
5/16/2021	0.82	0.00	Yes	0.82	0.82	0.78	0.04	0.017	0.006	0.040	0.075120	**1.50**	0.8	4.35	81.60	85.95	0.290	0.290	0.233	0.78	0.04	0.25	0.01	0.27
5/17/2021	0.70	0.00	Yes	0.70	0.70	0.67	0.03	0.017	0.006	0.040	0.075120	**1.02**	0.7	4.52	65.00	69.52	0.290	0.290	0.233	0.67	0.03	0.22	0.01	0.23
5/18/2021	23.10	0.00	Yes	23.10	23.10	22.02	1.08	0.017	0.006	0.032	0.065971	**0.87**	23.1	19.90	80.70	100.60	0.290	0.290	0.188	22.02	1.08	7.13	0.34	7.48
5/19/2021	68.10	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.005	0.019	0.044658	**28.94**	68.1	99.30	338.00	437.30	0.233	0.233	0.110	22.88	1.12	7.41	0.36	7.77
5/20/2021	13.60	0.00	Yes	13.60	13.60	12.96	0.64	0.017	0.006	0.014	0.044012	**30.76**	13.6	26.50	1040.00	1066.50	0.290	0.290	0.080	12.96	0.64	4.20	0.20	4.40
5/21/2021	67.50	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.006	0.014	0.039922	**17.44**	67.5	44.70	776.00	820.70	0.233	0.290	0.080	22.88	1.12	7.41	0.36	7.77
5/22/2021	134.00	0.00	Yes	62.50	24.00	22.88	1.12	0.011	0.004	0.014	0.034253	**30.91**	134.0	117.00	450.00	567.00	0.188	0.188	0.080	22.88	1.12	7.41	0.36	7.77
5/23/2021	63.10	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.005	0.014	0.038559	**31.09**	63.1	90.00	965.00	1055.00	0.233	0.233	0.080	22.88	1.12	7.41	0.36	7.77
5/24/2021	1000.00	0.00	Yes	62.50	24.00	22.88	1.12	0.005	0.003	0.000	0.008754	**30.95**	1000.0	298.00	2670.00	2968.00	0.080	0.126	FALSE	22.88	1.12	7.41	0.36	7.77
5/25/2021	3420.00	0.00	No	62.50	62.50	59.58	2.92	0.000	0.000	0.000	0	**31.91**	3420.0	1440.00	681.00	2121.00	FALSE	FALSE	FALSE	59.58	2.92	19.30	0.93	20.23
5/26/2021	942.00	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.014	0.02392	**83.84**	942.0	866.00	276.00	1142.00	0.080	0.080	0.080	59.58	2.92	19.30	0.93	20.23
5/27/2021	1770.00	2.34	No	62.50	60.16	57.35	2.81	0.000	0.002	0.000	0.001913	**81.84**	1770.0	1040.00	292.00	1332.00	FALSE	0.080	FALSE	57.35	2.81	18.58	0.89	19.47
5/28/2021	1050.00	2.84	No	62.50	59.66	56.87	2.79	0.005	0.002	0.014	0.02392	**80.55**	1050.0	896.00	182.00	1078.00	0.080	0.080	0.080	56.87	2.79	18.43	0.88	19.31
5/29/2021	215.00	4.52	No	62.50	57.98	55.27	2.71	0.008	0.003	0.019	0.034420	**78.12**	215.0	257.00	128.00	385.00	0.126	0.126	0.110	55.27	2.71	17.91	0.86	18.77
5/30/2021	1000.82	0.00	No	62.50	62.50	59.58	2.92	0.005	0.000	0.000	0.005740	**75.10**	1000.8	1410.00	1400.00	2810.00	0.080	FALSE	FALSE	59.58	2.92	19.30	0.93	20.23
5/31/2021	447.06	0.00	No	62.50	62.50	0.04	1.40	0.007	0.002	0.000	0.010524	**83.36**	447.1	380.00	1190.00	1570.00	0.110	0.110	FALSE	0.04	1.40	0.01	0.45	0.46
6/1/2021	546.18	0.00	No	62.50	62.50	0.00	0.00	0.005	0.002	0.014	0.024637	**1.93**	546.2	388.00	508.00	896.00	0.080	0.110	0.080	0.00	0.00	0.00	0.00	0.00

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

Blue numbers indicate revised data based upon hydro adjustments

			TOTAL AF	**1023**	**53**
02CW181 CU factor for May =	67.6%		MAX =	**1023**	**53** <<Normally 1854 for 02CW181 and 91 for 10CW85
10CW85 CU factor for May =	68.3%		Exceeded?	No	No
02CW181 LAWMA SHARES =	3402		02CW181 Cumulative Annual LAWMA=		**1110**
10CW85 LAWMA SHARES =	167		02CW181 Annual Limit LAWMA=		12862
DIVERTED SHARES =	231		10CW85 Cumulative Annual Leased=		**57**
TOTAL SHARES =	3800		10CW85 Annual Limit Leased=		602
				691.548	100% 691.548
				36	7% 2.53393

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
May 2021

Date	In Stream in Priority (cfs) [59]	LAWMA's Instream Portion (cfs) [60]	Transit Loss to JMR (%) [61]	Arrival Rate at JMR (cfs) [62]	Arrival Quantity at JMR (ac-ft) [63]	Computed CU Water at JMR (ac-ft) [64]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [65]	Amount of CU Water to Offset Account (ac-ft) [66]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
5/2/2021	1.08	1.08	0.08671	0.99	1.96	1.32	0.06	No	Yes	0.00	0.00	1.32	0.00	0.00	0.00	0	0.724941	1.00	0.5
5/3/2021	1.08	1.08	0.08671	0.99	1.96	1.32	0.06	No	Yes	0.00	0.00	1.32	0.00	0.00	0.00	0	0.724941	1.00	0.5
5/4/2021	0.89	0.89	0.08671	0.81	1.61	1.09	0.05	No	Yes	0.00	0.00	1.09	0.00	0.00	0.00	0	0.595392	1.00	0.5
5/5/2021	0.80	0.80	0.08671	0.73	1.46	0.99	0.05	No	Yes	0.00	0.00	0.99	0.00	0.00	0.00	0	0.539678	1.00	0.5
5/6/2021	0.71	0.71	0.08671	0.64	1.28	0.86	0.04	No	Yes	0.00	0.86	0.00	0.00	4.39	5.08	0	0.473897	1.00	0.5
5/7/2021	0.49	0.49	0.08671	0.45	0.89	0.60	0.00	No	Yes	0.00	0.60	0.00	0.00	4.20	4.86	0	0.330922	0.00	0
5/8/2021	0.50	0.50	0.08671	0.46	0.91	0.62	0.03	No	Yes	0.00	0.00	0.62	0.00	0.00	0.00	0	0.338306	1.00	0.5
5/9/2021	0.41	0.41	0.08671	0.37	0.74	0.50	0.00	No	Yes	0.00	0.00	0.50	0.00	0.00	0.00	0	0.273866	0.00	0
5/10/2021	0.34	0.34	0.08671	0.31	0.61	0.41	0.00	No	Yes	0.00	0.00	0.41	0.00	0.00	0.00	0	0.226208	0.00	0
5/11/2021	0.40	0.40	0.08671	0.37	0.73	0.49	0.00	No	Yes	0.00	0.49	0.00	0.00	4.53	5.24	0	0.269839	0.00	0
5/12/2021	2.56	2.56	0.08671	2.34	4.64	3.14	0.15	No	Yes	0.00	3.14	0.00	0.00	10.60	12.26	1	1.718380	3.00	0.518
5/13/2021	2.62	2.62	0.07512	2.42	4.81	3.25	0.14	No	Yes	0.00	3.25	0.00	0.00	8.80	10.18	1	1.761978	3.00	0.518
5/14/2021	0.78	0.78	0.07512	0.72	1.43	0.97	0.04	No	Yes	0.00	0.97	0.00	0.00	7.66	8.86	0	0.525231	1.00	0.5
5/15/2021	3.64	3.64	0.08671	3.32	6.59	4.46	0.22	No	Yes	0.00	0.82	3.64	0.00	2.43	2.81	1	2.443322	4.00	0.527
5/16/2021	1.21	1.21	0.07512	1.12	2.22	1.50	0.06	No	Yes	0.00	0.16	1.34	0.00	1.76	2.04	0	0.813738	1.00	0.5
5/17/2021	0.82	0.82	0.07512	0.76	1.51	1.02	0.04	No	Yes	0.00	1.02	0.00	0.00	4.87	5.63	0	0.553476	1.00	0.5
5/18/2021	0.70	0.70	0.07512	0.65	1.28	0.87	0.04	No	Yes	0.00	0.87	0.00	0.00	8.93	10.33	0	0.469412	1.00	0.5
5/19/2021	23.10	23.10	0.06597	19.90	39.47	26.70	3.12	No	Yes	0.00	7.96	18.74	0.00	9.69	11.21	6	14.34682	23.00	0.72694
5/20/2021	24.00	24.00	0.04466	22.93	45.48	30.76	1.15	No	Yes	0.00	7.80	22.96	0.00	9.53	11.02	7	16.19948	68.00	0.8
5/21/2021	13.60	13.60	0.04401	13.00	25.79	17.44	0.50	No	Yes	0.00	7.81	9.63	0.00	9.54	11.03	4	9.180236	14.00	0.62308
5/22/2021	24.00	24.00	0.03992	23.04	45.70	30.91	1.03	No	Yes	0.00	8.01	22.90	0.00	9.75	11.27	7	16.20599	68.00	0.8
5/23/2021	24.00	24.00	0.03425	23.18	45.97	31.09	0.88	No	Yes	0.00	7.98	23.12	0.00	9.71	11.23	8	16.21281	134.00	0.8
5/24/2021	24.00	24.00	0.03856	23.07	45.77	30.95	0.99	No	Yes	0.00	7.59	23.36	0.00	9.32	10.78	7	16.20772	63.00	0.8
5/25/2021	24.00	24.00	0.00875	23.79	47.19	31.91	0.23	No	Yes	0.00	7.37	24.55	0.00	9.09	10.51	8	16.23061	1000.00	0.8
5/26/2021	62.50	62.50	0.00000	62.50	123.97	83.84	0.00	No	Yes	0.00	6.87	76.97	0.00	8.59	9.93	20	42.27047	3420.00	0.8
5/27/2021	62.50	62.50	0.02392	61.01	121.00	81.84	1.60	No	Yes	0.00	6.51	75.33	0.00	8.22	9.51	20	42.24628	942.00	0.8
5/28/2021	60.16	60.16	0.00191	60.04	119.10	80.55	0.12	No	Yes	0.00	6.82	73.73	0.00	8.53	9.86	19	40.68771	1770.00	0.8
5/29/2021	59.66	59.66	0.02392	58.23	115.51	78.12	1.53	No	Yes	0.00	7.11	71.01	0.00	8.83	10.21	19	40.32661	1050.00	0.8
5/30/2021	57.98	57.98	0.03442	55.98	111.04	75.10	2.14	No	Yes	0.00	8.36	66.74	0.00	10.10	11.68	18	39.16701	215.00	0.8
5/31/2021	62.50	62.50	0.00574	62.14	123.26	83.36	0.39	No	Yes	0.00	7.56	75.80	0.00	9.29	10.74	20	42.26907	1001.00	0.8
6/1/2021	62.50	1.44	0.01052	1.43	2.83	1.93	0.02	No	Yes	0.00	1.93	0.00	0.00	8.93	10.33	0	0.984800	447.00	0.8
							14.69				111.87	597.26	0.00 [67]						

	Entire Month of May	
Total In Stream Priority	**1,197.11**	
LAWMA's Instream Portion	**1,076.00**	
Arrival Amount at JMR	**1,046.70**	
Return Flow Obligation	**348.25**	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**29.30**	
CU Arrival at JMR	**707.93**	
Total CU Bypassed for In-State Replacement	**0.00**	
Total CU Water to Permanent Pool	**111.87**	
Total CU Water to Offset Account	**596.06**	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85)	**14.69 [68]**	12.37
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**	
Total CU Transit Loss to LAWMA (Permanent Pool)	**2.32**	
Total CU Transit Loss to LAWMA (Offset Account)	**12.37**	

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [69]	Canal Flume [70]	WD 67 River Call? [71]	Available in Priority No 67 Call [72]	In Stream in Priority [73]	LAWMA's 02CW181 Portion [74]	LAWMA's 10CW85 Portion [75]	trloss#1 [76]	loss#2 [77]	loss#3 [78]	LAWMA tlossfctr [79]	**crdtoffst [80]**	urg@hgh [81]	urg@LA [82]	rk@LA [83]	rkconfl [84]	actor#1 [85]	actor#2 [86]	actor#3 [87]	LAWMA's 02CW181 Portion [88]	LAWMA's 10CW85 Portion [89]	LAWMA's 02CW181 Portion [90]	LAWMA's 10CW85 Portion [91]	Total
6/1/2021	546.18	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.014	0.024637	**acre ft**	546.2	388.0	508.0	896.0	0.080	0.110	0.080	59.58	2.92	14.77	0.69	15.47
6/2/2021	874.95	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.014	0.02392	**90.99**	875.0	677.0	396.0	1073.0	0.080	0.080	0.080	59.58	2.92	14.77	0.69	15.47
6/3/2021	485.92	0.74	No	62.50	61.76	58.87	2.89	0.007	0.002	0.014	0.026790	**91.06**	485.9	435.0	383.0	818.0	0.110	0.110	0.080	58.87	2.89	14.60	0.68	15.28
6/4/2021	373.00	0.71	No	62.50	61.79	58.89	2.89	0.007	0.002	0.014	0.026790	**89.71**	373.0	378.0	236.0	614.0	0.110	0.110	0.080	58.89	2.89	14.61	0.69	15.29
6/5/2021	185.00	0.54	No	62.50	61.96	59.06	2.90	0.009	0.003	0.019	0.037195	**89.75**	185.0	183.0	184.0	367.0	0.155	0.155	0.110	59.06	2.90	14.65	0.69	15.33
6/6/2021	139.00	0.47	Yes	62.50	23.53	22.43	1.10	0.011	0.004	0.021	0.043606	**89.04**	139.0	133.0	154.0	287.0	0.188	0.188	0.126	22.43	1.10	5.56	0.26	5.82
6/7/2021	114.00	0.44	Yes	62.50	23.56	22.46	1.10	0.011	0.004	0.021	0.043606	**33.59**	114.0	110.0	136.0	246.0	0.188	0.188	0.126	22.46	1.10	5.57	0.26	5.83
6/8/2021	186.00	0.41	Yes	62.50	23.59	22.49	1.10	0.009	0.004	0.021	0.041238	**33.64**	186.0	130.0	140.0	270.0	0.155	0.188	0.126	22.49	1.10	5.58	0.26	5.84
6/9/2021	229.00	0.04	Yes	62.50	23.96	22.84	1.12	0.008	0.004	0.021	0.039157	**33.76**	229.0	149.0	118.0	267.0	0.126	0.188	0.126	22.84	1.12	5.66	0.27	5.93
6/10/2021	312.00	0.28	Yes	62.50	23.72	22.61	1.11	0.007	0.003	0.019	0.033272	**34.36**	312.0	240.0	251.0	491.0	0.110	0.126	0.110	22.61	1.11	5.61	0.26	5.87
6/11/2021	268.00	0.63	Yes	62.50	23.37	22.28	1.09	0.008	0.003	0.014	0.028321	**34.23**	268.0	203.0	384.0	587.0	0.126	0.126	0.080	22.28	1.09	5.52	0.26	5.78
6/12/2021	260.00	1.16	Yes	62.50	22.84	21.77	1.07	0.008	0.003	0.014	0.029014	**33.90**	260.0	194.0	485.0	679.0	0.126	0.155	0.080	21.77	1.07	5.40	0.25	5.65
6/13/2021	386.00	1.34	Yes	62.50	22.66	21.60	1.06	0.007	0.003	0.014	0.027173	**33.10**	386.0	230.0	335.0	565.0	0.110	0.126	0.080	21.60	1.06	5.36	0.25	5.61
6/14/2021	240.00	1.34	Yes	62.50	22.66	21.60	1.06	0.008	0.003	0.014	0.028321	**32.90**	240.0	235.0	267.0	502.0	0.126	0.126	0.080	21.60	1.06	5.36	0.25	5.61
6/15/2021	186.00	2.57	Yes	62.50	21.43	20.43	1.00	0.009	0.004	0.019	0.037984	**32.86**	186.0	148.0	153.0	301.0	0.155	0.188	0.110	20.43	1.00	5.07	0.24	5.30
6/16/2021	142.00	3.26	Yes	62.50	20.74	19.77	0.97	0.011	0.003	0.021	0.042816	**30.77**	142.0	152.0	115.0	267.0	0.188	0.155	0.126	19.77	0.97	4.90	0.23	5.13
6/17/2021	100.00	3.64	Yes	62.50	20.36	19.41	0.95	0.011	0.004	0.019	0.040353	**29.63**	100.0	143.0	254.0	397.0	0.188	0.188	0.110	19.41	0.95	4.81	0.23	5.04
6/18/2021	91.50	2.08	Yes	62.50	21.92	20.89	1.03	0.014	0.004	0.019	0.043582	**29.16**	91.5	131.0	227.0	358.0	0.233	0.188	0.110	20.89	1.03	5.18	0.24	5.42
6/19/2021	103.00	2.08	Yes	62.50	21.92	20.89	1.03	0.011	0.004	0.014	0.034253	**31.29**	103.0	139.0	415.0	554.0	0.188	0.188	0.080	20.89	1.03	5.18	0.24	5.42
6/20/2021	95.60	1.95	Yes	62.50	22.05	21.02	1.03	0.014	0.004	0.014	0.037482	**31.60**	95.6	134.0	394.0	528.0	0.233	0.188	0.080	21.02	1.03	5.21	0.24	5.46
6/21/2021	72.20	2.24	Yes	62.50	21.76	20.74	1.02	0.014	0.004	0.014	0.037482	**31.68**	72.2	124.0	440.0	564.0	0.233	0.188	0.080	20.74	1.02	5.14	0.24	5.39
6/22/2021	47.80	2.60	Yes	50.40	21.40	20.40	1.00	0.017	0.005	0.014	0.042649	**31.26**	47.8	97.7	460.0	557.7	0.290	0.233	0.080	20.40	1.00	5.06	0.24	5.30
6/23/2021	39.20	2.53	Yes	41.73	21.47	20.47	1.00	0.017	0.005	0.014	0.042649	**30.58**	39.2	91.7	451.0	542.7	0.290	0.233	0.080	20.47	1.00	5.08	0.24	5.31
6/24/2021	35.00	2.50	Yes	37.50	21.50	20.49	1.01	0.017	0.005	0.014	0.042649	**30.68**	35.0	81.9	430.0	511.9	0.290	0.233	0.080	20.49	1.01	5.08	0.24	5.32
6/25/2021	32.20	1.84	Yes	34.04	22.16	21.12	1.04	0.017	0.005	0.019	0.048748	**30.72**	32.2	71.9	382.0	453.9	0.290	0.233	0.110	21.12	1.04	5.24	0.25	5.48
6/26/2021	29.00	0.79	Yes	29.79	23.22	22.13	1.09	0.017	0.005	0.019	0.048748	**31.46**	29.0	65.7	332.0	397.7	0.290	0.233	0.110	22.13	1.09	5.49	0.26	5.75
6/27/2021	28.90	0.78	Yes	29.68	23.22	22.13	1.09	0.017	0.005	0.021	0.052002	**32.96**	28.9	64.0	223.0	287.0	0.290	0.233	0.126	22.13	1.09	5.49	0.26	5.75
6/28/2021	26.40	0.70	Yes	27.10	23.30	22.21	1.09	0.017	0.006	0.021	0.053365	**32.85**	26.4	60.2	166.0	226.2	0.290	0.290	0.126	22.21	1.09	5.51	0.26	5.77
6/29/2021	23.60	0.69	Yes	24.29	23.31	22.22	1.09	0.017	0.006	0.021	0.053365	**32.92**	23.6	48.5	207.0	255.5	0.290	0.290	0.126	22.22	1.09	5.51	0.26	5.77
6/30/2021	27.10	0.69	Yes	27.79	23.31	22.22	1.06	0.017	0.006	0.019	0.050112	**32.93**	27.1	33.8	402.0	435.8	0.290	0.290	0.110	22.22	1.06	5.51	0.25	5.76
7/1/2021	29.90	1.54	Yes									**33.00**		42.7	407.0									

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**1651**	**81**	
02CW181 CU factor for June =	75.2%	MAX =	**1998**	**81 [92]**	<<Normally 2172 for 02CW181 and 107 for 10CW85
10CW85 CU factor for June =	76.3%	Exceeded?	No	No	
02CW181 LAWMA SHARES =	3402	02CW181 Cumulative Annual LAWMA=			**2762**
10CW85 LAWMA SHARES =	167	02CW181 Annual Limit LAWMA=			12862
DIVERTED SHARES =	231	10CW85 Cumulative Annual Leased=			**138**
TOTAL SHARES =	3800	10CW85 Annual Limit Leased=			602
			1241.87986	100%	1241.879
			61.803	100%	61.803
					1303.682

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits

June 2021

Date	In Stream in Priority (cfs) [93]	Instream Portion (cfs) [94]	Transit Loss to JMR (%) [95]	Arrival Rate at JMR (cfs) [96]	Arrival Quantity at JMR [ac-ft) [97]	Computed CU Water at JMR (ac-ft) [98]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [99]	Amount of CU Water to Offset Account (ac-ft) [100]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
6/2/2021	62.50	62.50	0.02464	60.96	120.91	90.99	1.84	No	Yes	0.00	6.67	84.32	0.00	8.51	9.84	15	47.00362(	546.00	0.8
6/3/2021	62.50	62.50	0.02392	61.01	121.00	91.06	1.79	No	Yes	0.00	2.98	88.07	0.00	4.76	5.50	15	47.00525(	875.00	0.8
6/4/2021	61.76	61.76	0.02679	60.10	119.22	89.71	1.98	No	Yes	0.00	0.00	89.71	0.00	1.49	1.72	15	46.44044	486.00	0.8
6/5/2021	61.79	61.79	0.02679	60.13	119.27	89.75	1.98	No	Yes	0.00	0.25	89.50	0.00	1.98	2.29	15	46.46150	373.00	0.8
6/6/2021	61.96	61.96	0.03720	59.65	118.32	89.04	2.75	No	Yes	0.00	5.11	83.93	0.00	6.92	8.00	15	46.55904	185.00	0.8
6/7/2021	23.53	23.53	0.04361	22.50	44.64	33.59	1.23	No	Yes	0.00	7.66	25.93	0.00	9.52	11.01	6	17.67375	139.00	0.8
6/8/2021	23.56	23.56	0.04361	22.53	44.70	33.64	1.23	No	Yes	0.00	6.76	26.88	0.00	8.60	9.94	6	17.69703	114.00	0.8
6/9/2021	23.59	23.59	0.04124	22.62	44.87	33.76	1.16	No	Yes	0.00	7.16	26.60	0.00	9.01	10.42	6	17.72463	186.00	0.8
6/10/2021	23.96	23.96	0.03916	23.02	45.66	34.36	1.12	No	Yes	0.00	6.47	27.89	0.00	8.31	9.61	6	18.00223	229.00	0.8
6/11/2021	23.72	23.72	0.03327	22.93	45.49	34.23	0.94	No	Yes	0.00	3.98	30.25	0.00	5.77	6.67	6	17.83063	312.00	0.8
6/12/2021	23.37	23.37	0.02832	22.71	45.04	33.90	0.79	No	Yes	0.00	2.52	31.37	0.00	4.29	4.96	6	17.57291	268.00	0.8
6/13/2021	22.84	22.84	0.02901	22.18	43.99	33.10	0.79	No	Yes	0.00	0.72	32.38	0.00	2.46	2.84	5	17.17296	260.00	0.8
6/14/2021	22.66	22.66	0.02717	22.04	43.72	32.90	0.74	No	Yes	0.00	0.50	32.41	0.00	2.23	2.58	5	17.03939	386.00	0.8
6/15/2021	22.66	22.66	0.02832	22.02	43.67	32.86	0.77	No	Yes	0.00	2.61	30.25	0.00	4.38	5.06	5	17.03830	240.00	0.8
6/16/2021	21.43	21.43	0.03798	20.62	40.89	30.77	0.97	No	Yes	0.00	6.66	24.11	0.00	8.50	9.83	5	16.10312	186.00	0.8
6/17/2021	20.74	20.74	0.04282	19.85	39.38	29.63	1.06	No	Yes	0.00	8.03	21.61	0.00	9.89	11.44	5	15.57854	142.00	0.8
6/18/2021	20.36	20.36	0.04035	19.54	38.75	29.16	0.98	No	Yes	0.00	4.68	24.48	0.00	6.49	7.50	5	15.29625(	100.00	0.8
6/19/2021	21.92	21.92	0.04358	20.96	41.58	31.29	1.14	No	Yes	0.00	6.39	24.90	0.00	8.23	9.52	5	16.46379	92.00	0.8
6/20/2021	21.92	21.92	0.03425	21.17	41.99	31.60	0.90	No	Yes	0.00	6.65	24.95	0.00	8.49	9.82	5	16.47576	103.00	0.8
6/21/2021	22.05	22.05	0.03748	21.22	42.10	31.68	0.99	No	Yes	0.00	6.80	24.88	0.00	8.64	9.99	5	16.56963	96.00	0.8
6/22/2021	21.76	21.76	0.03748	20.94	41.54	31.26	0.97	No	Yes	0.00	6.21	25.05	0.00	8.04	9.30	5	16.35171	72.00	0.8
6/23/2021	21.40	21.40	0.04265	20.49	40.64	30.58	1.09	No	Yes	0.00	5.99	24.59	0.00	7.82	9.04	5	16.07452	48.00	0.8
6/24/2021	21.47	21.47	0.04265	20.55	40.77	30.68	1.09	No	Yes	0.00	5.82	24.86	0.00	7.65	8.85	5	16.12710	39.00	0.79662
6/25/2021	21.50	21.50	0.04265	20.58	40.83	30.72	1.07	No	Yes	0.00	5.59	25.13	0.00	7.41	8.57	5	16.14963	35.00	0.7833
6/26/2021	22.16	22.16	0.04875	21.08	41.81	31.46	1.25	No	Yes	0.00	5.68	25.79	0.00	7.50	8.67	5	16.63609	32.00	0.77331
6/27/2021	23.22	23.22	0.04875	22.08	43.80	32.96	1.29	No	Yes	0.00	6.31	26.66	0.00	8.14	9.41	5	17.42811	29.00	0.76332
6/28/2021	23.22	23.22	0.05200	22.01	43.66	32.85	1.38	No	Yes	0.00	6.36	26.49	0.00	8.20	9.48	5	17.42538	29.00	0.76332
6/29/2021	23.30	23.30	0.05337	22.05	43.74	32.92	1.40	No	Yes	0.00	6.18	26.74	0.00	8.01	9.26	5	17.48065	26.00	0.75333
6/30/2021	23.31	23.31	0.05337	22.07	43.77	32.93	1.37	No	Yes	0.00	6.95	25.98	0.00	8.80	10.18	5	17.49041	24.00	0.73848
7/1/2021	23.31	23.28	0.05011	22.11	43.85	33.00	1.32	No	Yes	0.00	7.60	25.40	0.00	9.54	11.03	5	17.47062	27.00	0.75666
							37.35				155.29	1075.71				0			
													0.00 [101]						

	Entire Month of June	
Total In Stream Priority	**1,732.50**	
LAWMA's Instream Portion	**1,732.44**	
Arrival Amount at JMR	**1,669.61**	
Return Flow Obligation	**428.75**	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**62.83**	
CU Arrival at JMR	**1,256.40**	
Total CU Bypassed for In-State Replacement	**0.00**	
Total CU Water to Permanent Pool	**155.29**	
Total CU Water to Offset Account	**1,101.12**	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	**37.35 [102]**	32.64
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**	
Total CU Transit Loss to LAWMA (Permanent Pool)	**4.71**	
Total CU Transit Loss to LAWMA (Offset Account)	**32.64**	

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [103]	Canal Flume [104]	WD 67 River Call? [105]	Available in Priority No 67 Call [106]	In Stream in Priority [107]	LAWMA's 02CW181 Portion [108]	LAWMA's 10CW85 Portion [109]	oss#1 [11	oss#2 [11	oss#3 [11	LAWMA tlossfctr [113]	crdtoffst [114]	rg@hgh [11	urg@LA [11	rk@LA [11	kconfl [11	ctor#1 [11	ctor#2 [12	ctor#3 [121]	LAWMA's 02CW181 Portion [122]	LAWMA's 10CW85 Portion [123]	LAWMA's 02CW181 Portion [124]	LAWMA's 10CW85 Portion [125]	Total
7/1/2021	29.90	1.54	Yes	31.44	22.46	21.41	1.05	0.017	0.006	0.019	0.0501124	**acre ft**	29.9	42.70	407.00	449.70	0.290	0.290	0.110	21.41	1.05	4.47	0.21	4.68
7/2/2021	64.00	4.11	Yes	62.50	19.89	18.96	0.93	0.014	0.005	0.019	0.04465864	**33.50**	64.0	76.40	335.00	411.40	0.233	0.233	0.110	18.96	0.93	3.96	0.18	4.14
7/3/2021	29.90	3.33	Yes	33.23	20.67	19.70	0.97	0.017	0.005	0.014	0.04264936	**29.84**	29.9	54.70	898.00	952.70	0.290	0.233	0.080	19.70	0.97	4.12	0.19	4.31
7/4/2021	199.00	4.46	Yes	62.50	19.54	18.63	0.91	0.009	0.004	0.014	0.03188536	**31.07**	199.0	147.00	674.00	821.00	0.155	0.188	0.080	18.63	0.91	3.89	0.18	4.07
7/5/2021	108.00	3.89	Yes	62.50	20.11	19.17	0.94	0.011	0.004	0.019	0.04035304	**29.70**	108.0	146.00	211.00	357.00	0.188	0.188	0.110	19.17	0.94	4.01	0.18	4.19
7/6/2021	66.80	3.62	Yes	62.50	20.38	19.43	0.95	0.014	0.005	0.019	0.04465864	**30.30**	66.8	84.20	273.00	357.20	0.233	0.233	0.110	19.43	0.95	4.06	0.19	4.25
7/7/2021	68.20	3.62	Yes	62.50	20.38	19.43	0.95	0.014	0.005	0.019	0.04465864	**30.57**	68.2	74.20	326.00	400.20	0.233	0.233	0.110	19.43	0.95	4.06	0.19	4.25
7/8/2021	304.00	4.74	Yes	62.50	19.26	18.36	0.90	0.007	0.003	0.014	0.02717312	**30.57**	304.0	225.00	313.00	538.00	0.110	0.126	0.080	18.36	0.90	3.84	0.18	4.01
7/9/2021	181.00	3.83	Yes	62.50	20.17	19.23	0.94	0.009	0.003	0.014	0.03040232	**29.42**	181.0	212.00	356.00	568.00	0.155	0.126	0.080	19.23	0.94	4.02	0.18	4.20
7/10/2021	112.00	2.77	Yes	62.50	21.23	20.24	0.99	0.011	0.004	0.019	0.04035304	**30.71**	112.0	126.00	328.00	454.00	0.188	0.188	0.110	20.24	0.99	4.23	0.19	4.42
7/11/2021	58.10	2.57	Yes	60.67	21.43	20.43	1.00	0.014	0.005	0.019	0.04465864	**31.99**	58.1	85.60	298.00	383.60	0.233	0.233	0.110	20.43	1.00	4.27	0.20	4.47
7/12/2021	28.00	2.79	Yes	30.79	21.21	20.22	0.99	0.017	0.006	0.021	0.05336552	**32.15**	28.0	43.30	236.00	279.30	0.290	0.290	0.126	20.22	0.99	4.23	0.19	4.42
7/13/2021	21.20	3.41	Yes	24.61	20.59	19.63	0.96	0.017	0.006	0.021	0.05336552	**31.53**	21.2	31.50	177.00	208.50	0.290	0.290	0.126	19.63	0.96	4.10	0.19	4.29
7/14/2021	164.00	3.48	Yes	62.50	20.52	19.56	0.96	0.009	0.004	0.021	0.04123808	**30.60**	164.0	120.00	130.00	250.00	0.155	0.188	0.126	19.56	0.96	4.09	0.19	4.28
7/15/2021	37.20	2.93	Yes	40.13	21.07	20.08	0.99	0.017	0.005	0.026	0.05789836	**30.89**	37.2	79.20	103.00	182.20	0.290	0.233	0.155	20.08	0.99	4.20	0.19	4.39
7/16/2021	15.00	3.28	Yes	18.28	15.00	14.30	0.70	0.017	0.006	0.032	0.06597136	**31.17**	15.0	33.70	82.00	115.70	0.290	0.290	0.188	14.30	0.70	2.99	0.14	3.13
7/17/2021	43.00	3.82	Yes	46.82	20.18	19.24	0.94	0.017	0.006	0.032	0.06597136	**22.00**	43.0	49.70	57.50	107.20	0.290	0.290	0.188	19.24	0.94	4.02	0.19	4.21
7/18/2021	23.30	3.11	Yes	26.41	20.89	19.91	0.98	0.017	0.006	0.040	0.07512076	**29.60**	23.3	41.60	45.90	87.50	0.290	0.290	0.233	19.91	0.98	4.16	0.19	4.35
7/19/2021	19.20	3.46	Yes	22.66	19.20	18.30	0.90	0.017	0.006	0.040	0.07512076	**30.34**	19.2	33.40	49.30	82.70	0.290	0.290	0.233	18.30	0.90	3.83	0.18	4.00
7/20/2021	15.90	3.35	Yes	19.25	15.90	15.16	0.74	0.017	0.006	0.032	0.06597136	**27.88**	15.9	26.60	106.00	132.60	0.290	0.290	0.188	15.16	0.74	3.17	0.15	3.31
7/21/2021	14.30	3.36	Yes	17.66	14.30	13.63	0.67	0.017	0.006	0.040	0.07512076	**23.32**	14.3	23.60	69.20	92.80	0.290	0.290	0.233	13.63	0.67	2.85	0.13	2.98
7/22/2021	9.64	3.18	Yes	12.82	9.64	9.19	0.45	0.017	0.006	0.040	0.07512076	**20.77**	9.6	15.00	51.20	66.20	0.290	0.290	0.233	9.19	0.45	1.92	0.09	2.01
7/23/2021	6.07	3.12	Yes	9.19	6.07	5.79	0.28	0.017	0.006	0.040	0.07512076	**14.00**	6.1	12.90	42.60	55.50	0.290	0.290	0.233	5.79	0.28	1.21	0.06	1.26
7/24/2021	4.18	3.11	Yes	7.29	4.18	3.98	0.20	0.017	0.006	0.049	0.08671	**8.81**	4.2	10.50	38.30	48.80	0.290	0.290	0.290	3.98	0.20	0.83	0.04	0.87
7/25/2021	2.78	2.96	Yes	5.74	2.78	2.65	0.13	0.017	0.006	0.049	0.08671	**5.99**	2.8	9.05	36.90	45.95	0.290	0.290	0.290	2.65	0.13	0.55	0.03	0.58
7/26/2021	2.30	2.89	Yes	5.19	2.30	2.19	0.11	0.017	0.006	0.049	0.08671	**3.99**	2.3	9.50	35.40	44.90	0.290	0.290	0.290	2.19	0.11	0.46	0.02	0.48
7/27/2021	0.73	2.81	Yes	3.54	0.73	0.69	0.03	0.017	0.006	0.032	0.06597136	**3.30**	0.7	16.80	92.90	109.70	0.290	0.290	0.188	0.69	0.03	0.14	0.01	0.15
7/28/2021	36.40	3.12	Yes	39.52	20.88	19.90	0.98	0.017	0.006	0.021	0.05336552	**1.06**	36.4	24.00	230.00	254.00	0.290	0.290	0.126	19.90	0.98	4.16	0.19	4.35
7/29/2021	23.00	2.72	Yes	25.72	21.28	20.28	1.00	0.017	0.006	0.019	0.0501124	**31.04**	23.0	38.90	403.00	441.90	0.290	0.290	0.110	20.28	1.00	4.24	0.20	4.43
7/30/2021	11.70	2.98	Yes	14.68	11.70	11.15	0.55	0.017	0.006	0.019	0.0501124	**31.74**	11.7	22.10	288.00	310.10	0.290	0.290	0.110	11.15	0.55	2.33	0.11	2.44
7/31/2021	11.10	3.15	Yes	14.25	11.10	10.58	0.52	0.017	0.006	0.019	0.0501124	**17.45**	11.1	14.90	303.00	317.90	0.290	0.290	0.110	10.58	0.52	2.21	0.10	2.31
8/1/2021	1210.00	3.87	Yes									**16.56**		323.00	227.00									

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**955**	**47**	
02CW181 CU factor for July =	79.1%	MAX =	**2369**	**88**	<<Normally 2369 for 02CW181 and 116 for 10CW85
10CW85 CU factor for July =	80.4%	Exceeded?	No	No	
02CW181 LAWMA SHARES =	3402			02CW181 Cumulative Annual LAWMA=	**1795**
10CW85 LAWMA SHARES =	167			02CW181 Annual Limit LAWMA=	12862
DIVERTED SHARES =	231			10CW85 Cumulative Annual Leased=	**74**
TOTAL SHARES =	3800			10CW85 Annual Limit Leased=	602
			755.3	100%	755.3
			37.7	100%	37.7
					793.0

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits

July 2021

Date	In Stream in Priority (cfs) [126]	LAWMA's Instream Portion (cfs) [127]	Transit Loss to JMR (%) [128]	Arrival Rate at JMR (cfs) [129]	Arrival Quantity at JMR (ac-ft) [130]	Computed CU Water at JMR (ac-ft) [131]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [132]	Amount of CU Water to Offset Account (ac-ft) [133]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
7/2/2021	22.46	22.46	0.05011	21.33	42.32	33.50	1.35	No	Yes	0.00	7.60	25.90	7.60	9.54	11.03	4	17.734873	30.00	0.76665
7/3/2021	19.89	19.89	0.04466	19.00	37.69	29.84	1.12	No	Yes	0.00	11.29	18.54	11.29	13.30	15.38	4	15.713687	64.00	0.8
7/4/2021	20.67	20.67	0.04265	19.79	39.25	31.07	1.06	No	Yes	0.00	11.69	19.39	11.69	13.70	15.84	4	16.332780	30.00	0.76665
7/5/2021	19.54	19.54	0.03189	18.92	37.52	29.70	0.78	No	Yes	0.00	12.18	17.53	12.18	14.20	16.42	4	15.452300	199.00	0.8
7/6/2021	20.11	20.11	0.04035	19.30	38.28	30.30	1.02	No	Yes	0.00	23.38	6.92	23.38	25.60	29.60	4	15.893320	108.00	0.8
7/7/2021	20.38	20.38	0.04466	19.47	38.62	30.57	1.14	No	Yes	0.00	25.35	5.22	25.35	27.60	31.92	4	16.100801	67.00	0.8
7/8/2021	20.38	20.38	0.04466	19.47	38.62	30.57	1.14	No	Yes	0.00	14.73	15.84	14.73	16.80	19.43	4	16.100801	68.00	0.8
7/9/2021	19.26	19.26	0.02717	18.74	37.16	29.42	0.66	No	Yes	0.00	8.44	20.98	8.44	10.40	12.03	4	15.235118	304.00	0.8
7/10/2021	20.17	20.17	0.03040	19.56	38.79	30.71	0.77	No	Yes	0.00	7.36	23.35	7.36	9.30	10.75	4	15.951981	181.00	0.8
7/11/2021	21.23	21.23	0.04035	20.37	40.41	31.99	1.08	No	Yes	0.00	7.77	24.22	7.77	9.72	11.24	4	16.778477	112.00	0.8
7/12/2021	21.43	21.43	0.04466	20.47	40.61	32.15	1.20	No	Yes	0.00	8.34	23.80	8.34	10.30	11.91	4	16.930333	58.00	0.8
7/13/2021	21.21	21.21	0.05337	20.08	39.82	31.53	1.35	No	Yes	0.00	8.44	23.08	8.44	10.40	12.03	4	16.742195	28.00	0.75999
7/14/2021	20.59	20.59	0.05337	19.49	38.66	30.60	1.21	No	Yes	0.00	9.03	21.57	9.03	11.00	12.72	4	16.252796	21.00	0.70386
7/15/2021	20.52	20.52	0.04124	19.67	39.02	30.89	1.06	No	Yes	0.00	10.90	19.99	10.90	12.90	14.92	4	16.216178	164.00	0.8
7/16/2021	21.07	21.07	0.05790	19.85	39.37	31.17	1.51	No	Yes	0.00	10.80	20.37	10.80	12.80	14.80	4	16.623274	37.00	0.78996
7/17/2021	15.00	15.00	0.06597	14.01	27.79	22.00	0.99	No	Yes	0.00	9.52	12.48	9.52	11.50	13.30	3	11.822445	15.00	0.63462
7/18/2021	20.18	20.18	0.06597	18.85	37.39	29.60	1.67	No	Yes	0.00	9.13	20.47	9.13	11.10	12.84	4	15.905130	43.00	0.8
7/19/2021	20.89	20.89	0.07512	19.32	38.32	30.34	1.79	No	Yes	0.00	8.93	21.40	8.93	10.90	12.60	4	16.443378	23.00	0.72694
7/20/2021	19.20	19.20	0.07512	17.76	35.22	27.88	1.54	No	Yes	0.00	8.34	19.54	8.34	10.30	11.91	4	15.113110	19.00	0.68078
7/21/2021	15.90	15.90	0.06597	14.85	29.46	23.32	1.06	No	Yes	0.00	7.80	15.52	7.80	9.75	11.27	3	12.531792	16.00	0.64616
7/22/2021	14.30	14.30	0.07512	13.23	26.23	20.77	1.05	No	Yes	0.00	7.69	13.07	7.69	9.64	11.15	3	11.256118	14.00	0.62308
7/23/2021	9.64	9.64	0.07512	8.92	17.68	14.00	0.66	No	Yes	0.00	7.49	6.51	7.49	9.43	10.90	2	7.588040	10.00	0.581
7/24/2021	6.07	6.07	0.07512	5.61	11.14	8.81	0.39	No	Yes	0.00	7.67	1.14	7.67	9.62	11.12	1	4.777946	6.00	0.545
7/25/2021	4.18	4.18	0.08671	3.82	7.57	5.99	0.30	No	Yes	0.00	5.99	0.00	5.99	10.00	11.56	1	3.284044	4.00	0.527
7/26/2021	2.78	2.78	0.08671	2.54	5.04	3.99	0.20	No	Yes	0.00	3.99	0.00	3.99	10.80	12.49	1	2.184125	3.00	0.518
7/27/2021	2.30	2.30	0.08671	2.10	4.17	3.30	0.16	No	Yes	0.00	3.30	0.00	3.30	11.10	12.84	0	1.807009	2.00	0.509
7/28/2021	0.73	0.73	0.06597	0.68	1.35	1.06	0.04	No	Yes	0.00	1.06	0.00	1.06	10.30	11.91	0	0.572206	1.00	0.5
7/29/2021	20.88	20.88	0.05337	19.77	39.21	31.04	1.38	No	Yes	0.00	7.93	23.10	7.93	9.88	11.43	4	16.481709	36.00	0.78663
7/30/2021	21.28	21.28	0.05011	20.21	40.09	31.74	1.22	No	Yes	0.00	7.75	23.98	7.75	9.70	11.22	4	16.803121	23.00	0.72694
7/31/2021	11.70	11.70	0.05011	11.11	22.04	17.45	0.55	No	Yes	0.00	7.52	9.93	7.52	9.46	10.94	2	9.238558	12.00	0.6
8/1/2021	11.10	11.10	0.05011	10.54	20.91	16.56	0.52	No	Yes	0.00	7.33	9.22	7.33	9.19	10.63	2	8.764786	11.00	0.59
							30.78				289.04	479.24	288.77 [134]						

	Entire Month of July	
Total In Stream Priority	**1,001.74**	
LAWMA's Instream Portion	**1,001.74**	
Arrival Amount at JMR	**949.76**	
Return Flow Obligation	**208.75**	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**51.98**	
CU Arrival at JMR	**751.84**	
Total CU Bypassed for In-State Replacement	**0.00**	
Total CU Water to Permanent Pool	**288.77**	
Total CU Water to Offset Account	**463.06**	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	**29.98 [135]**	18.7
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**	
Total CU Transit Loss to LAWMA (Permanent Pool)	**11.28**	
Total CU Transit Loss to LAWMA (Offset Account)	**18.70**	

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [136]	Canal Flume [137]	WD 67 River Call? [138]	Available in Priority No 67 Call [139]	In Stream in Priority [140]	LAWMA's 02CW181 Portion [141]	LAWMA's 10CW85 Portion [142]	oss#1 [14	oss#2 [14	oss#3 [14	LAWMA tlossfctr [146]	crdtoffst [147	rg@hgh [14	urg@LA [14	rk@LA [150	kconfl [15	ctor#1 [15	ctor#2 [15	ctor#3 [154]	LAWMA's 02CW181 Portion [155]	LAWMA's 10CW85 Portion [156]	LAWMA's 02CW181 Portion [157]	LAWMA's 10CW85 Portion [158]	Total
8/1/2021	1210.00	3.87	Yes	62.50	20.13	19.19	0.94	0.000	0.002	0.014	0.0188968	**acre ft**	1210.0	323.00	227.00	550.00	FALSE	0.110	0.080	19.19	0.94	3.70	0.17	3.87
8/2/2021	1150.00	2.37	Yes	62.50	21.63	20.62	1.01	0.005	0.002	0.000	0.0076544	**31.63**	1150.0	702.00	866.00	1568.00	0.080	0.080	FALSE	20.62	1.01	3.98	0.18	4.16
8/3/2021	3690.00	4.09	Yes	62.50	19.91	18.98	0.93	0.000	0.000	0.000	0	**34.38**	3690.0	1560.00	619.00	2179.00	FALSE	FALSE	FALSE	18.98	0.93	3.66	0.17	3.83
8/4/2021	382.00	1.82	Yes	62.50	22.18	21.14	1.04	0.007	0.002	0.014	0.0260728	**31.89**	382.0	818.00	145.00	963.00	0.110	0.080	0.080	21.14	1.04	4.08	0.19	4.27
8/5/2021	226.00	1.33	Yes	62.50	22.67	21.61	1.06	0.008	0.003	0.019	0.0344208	**34.60**	226.0	256.00	195.00	451.00	0.126	0.126	0.110	21.61	1.06	4.17	0.19	4.36
8/6/2021	154.00	1.04	Yes	62.50	22.96	21.89	1.07	0.009	0.003	0.021	0.0404487	**35.06**	154.0	172.00	124.00	296.00	0.155	0.155	0.126	21.89	1.07	4.22	0.19	4.42
8/7/2021	133.00	0.92	Yes	62.50	23.08	22.00	1.08	0.011	0.003	0.019	0.0395636	**35.29**	133.0	150.00	301.00	451.00	0.188	0.155	0.110	22.00	1.08	4.25	0.20	4.44
8/8/2021	95.50	0.79	Yes	62.50	23.21	22.12	1.09	0.014	0.004	0.014	0.0374826	**35.51**	95.5	114.00	415.00	529.00	0.233	0.188	0.080	22.12	1.09	4.27	0.20	4.47
8/9/2021	74.70	0.79	Yes	62.50	23.22	22.13	1.09	0.014	0.004	0.019	0.0435822	**35.78**	74.7	104.00	333.00	437.00	0.233	0.188	0.110	22.13	1.09	4.27	0.20	4.47
8/10/2021	61.90	0.79	Yes	62.50	23.22	22.13	1.09	0.014	0.005	0.019	0.0446586	**35.57**	61.9	85.10	335.00	420.10	0.233	0.233	0.110	22.13	1.09	4.27	0.20	4.47
8/11/2021	53.70	0.79	Yes	54.49	23.22	22.13	1.09	0.014	0.005	0.019	0.0446586	**35.53**	53.7	73.10	322.00	395.10	0.233	0.233	0.110	22.13	1.09	4.27	0.20	4.47
8/12/2021	46.10	0.79	Yes	46.89	23.22	22.13	1.09	0.017	0.005	0.019	0.0487489	**35.53**	46.1	62.80	275.00	337.80	0.290	0.233	0.110	22.13	1.09	4.27	0.20	4.47
8/13/2021	42.00	0.75	Yes	42.75	23.26	22.17	1.09	0.017	0.006	0.019	0.0501124	**35.37**	42.0	46.10	264.00	310.10	0.290	0.290	0.110	22.17	1.09	4.28	0.20	4.48
8/14/2021	48.80	0.79	Yes	49.59	23.22	22.13	1.09	0.017	0.005	0.021	0.0520020	**35.38**	48.8	51.50	226.00	277.50	0.290	0.233	0.126	22.13	1.09	4.27	0.20	4.47
8/15/2021	35.50	0.79	Yes	36.29	23.22	22.13	1.09	0.017	0.006	0.021	0.0533655	**35.25**	35.5	39.80	180.00	219.80	0.290	0.290	0.126	22.13	1.09	4.27	0.20	4.47
8/16/2021	31.30	0.80	Yes	32.10	23.20	22.12	1.09	0.017	0.006	0.026	0.0592618	**35.20**	31.3	34.10	142.00	176.10	0.290	0.290	0.155	22.12	1.09	4.27	0.20	4.46
8/17/2021	26.60	0.88	Yes	27.48	23.13	22.04	1.08	0.017	0.006	0.032	0.0659713	**34.96**	26.6	31.40	118.00	149.40	0.290	0.290	0.188	22.04	1.08	4.25	0.20	4.45
8/18/2021	52.80	1.03	Yes	53.83	22.97	21.90	1.07	0.014	0.006	0.032	0.0618810	**34.60**	52.8	43.90	89.90	133.80	0.233	0.290	0.188	21.90	1.07	4.23	0.19	4.42
8/19/2021	34.30	0.97	Yes	35.27	23.03	21.96	1.08	0.017	0.006	0.032	0.0659713	**34.52**	34.3	44.10	72.60	116.70	0.290	0.290	0.188	21.96	1.08	4.24	0.20	4.43
8/20/2021	23.10	0.88	Yes	23.98	23.10	22.02	1.08	0.017	0.006	0.040	0.0751207	**34.46**	23.1	30.70	60.70	91.40	0.290	0.290	0.233	22.02	1.08	4.25	0.20	4.45
8/21/2021	17.50	0.88	Yes	18.38	17.50	16.68	0.82	0.017	0.006	0.040	0.0751207	**34.22**	17.5	24.10	62.30	86.40	0.290	0.290	0.233	16.68	0.82	3.22	0.15	3.37
8/22/2021	13.30	1.99	Yes	15.29	13.30	12.68	0.62	0.017	0.006	0.040	0.0751207	**25.93**	13.3	20.00	56.50	76.50	0.290	0.290	0.233	12.68	0.62	2.45	0.11	2.56
8/23/2021	9.06	3.79	Yes	12.85	9.06	8.64	0.42	0.017	0.006	0.040	0.0751207	**19.70**	9.1	16.30	56.50	72.80	0.290	0.290	0.233	8.64	0.42	1.67	0.08	1.74
8/24/2021	7.08	3.78	Yes	10.86	7.08	6.75	0.33	0.017	0.006	0.040	0.0751207	**13.42**	7.1	14.70	51.90	66.60	0.290	0.290	0.233	6.75	0.33	1.30	0.06	1.36
8/25/2021	5.86	3.79	Yes	9.65	5.86	5.59	0.27	0.017	0.006	0.040	0.0751207	**10.49**	5.9	14.00	49.20	63.20	0.290	0.290	0.233	5.59	0.27	1.08	0.05	1.13
8/26/2021	4.65	3.78	Yes	8.43	4.65	4.43	0.22	0.017	0.006	0.040	0.0751207	**8.68**	4.7	12.70	44.90	57.60	0.290	0.290	0.233	4.43	0.22	0.86	0.04	0.89
8/27/2021	3.61	3.78	Yes	7.39	3.61	3.44	0.17	0.017	0.006	0.049	0.08671	**6.89**	3.6	11.10	34.50	45.60	0.290	0.290	0.290	3.44	0.17	0.66	0.03	0.69
8/28/2021	2.55	3.78	Yes	6.33	2.55	2.43	0.12	0.017	0.006	0.049	0.08671	**5.28**	2.6	10.00	31.90	41.90	0.290	0.290	0.290	2.43	0.12	0.47	0.02	0.49
8/29/2021	2.11	3.78	Yes	5.89	2.11	2.01	0.10	0.017	0.006	0.049	0.08671	**3.73**	2.1	9.39	30.90	40.29	0.290	0.290	0.290	2.01	0.10	0.39	0.02	0.41
8/30/2021	1.92	3.78	Yes	5.70	1.92	1.83	0.09	0.017	0.006	0.049	0.08671	**3.09**	1.9	9.19	31.40	40.59	0.290	0.290	0.290	1.83	0.09	0.35	0.02	0.37
8/31/2021	1.27	3.78	Yes	5.05	1.27	1.21	0.06	0.017	0.006	0.049	0.08671	**2.81**	1.3	8.29	30.20	38.49	0.290	0.290	0.290	1.21	0.06	0.23	0.01	0.24
9/1/2021	0.62	3.74	Yes									**1.86**		7.33	28.80									

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**988**	**49**
02CW181 CU factor for August =	80.7%	MAX =	**2570**	**92** <<Normally 2570 for 02CW181 and 126 for 10CW85
10CW85 CU factor for August =	81.9%	Exceeded?	No	No
02CW181 LAWMA SHARES =	3402	02CW181 Cumulative Annual LAWMA=		**2783**
10CW85 LAWMA SHARES =	167	02CW181 Annual Limit LAWMA=		12862
DIVERTED SHARES =	231	10CW85 Cumulative Annual Leased=		**123**
TOTAL SHARES =	3800	10CW85 Annual Limit Leased=		602
		797.4548753	100%	797.454
		40	100%	39.728

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
August 2021

Date	In Stream in Priority (cfs) [159]	LAWMA's Instream Portion (cfs) [160]	Transit Loss to JMR (%) [161]	Arrival Rate at JMR (cfs) [162]	Arrival Quantity at JMR (ac-ft) [163]	Computed CU Water at JMR (ac-ft) [164]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [165]	Amount of CU Water to Offset Account (ac-ft) [166]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)
8/2/2021	20.13	20.13	0.01890	19.75	39.17	31.63	0.47	No	Yes	0.00	8.00	23.63	296.77	9.87	11.41
8/3/2021	21.63	21.63	0.00765	21.46	42.57	34.38	0.21	No	Yes	0.00	7.86	26.52	7.86	9.73	11.25
8/4/2021	19.91	19.91	0.00000	19.91	39.49	31.89	0.00	No	Yes	0.00	8.62	23.27	8.62	10.50	12.14
8/5/2021	22.18	22.18	0.02607	21.60	42.85	34.60	0.74	No	Yes	0.00	11.57	23.03	11.57	13.50	15.61
8/6/2021	22.67	22.67	0.03442	21.89	43.42	35.06	1.00	No	Yes	0.00	10.78	24.28	10.78	12.70	14.69
8/7/2021	22.96	22.96	0.04045	22.03	43.70	35.29	1.19	No	Yes	0.00	9.60	25.69	9.60	11.50	13.30
8/8/2021	23.08	23.08	0.03956	22.17	43.97	35.51	1.17	No	Yes	0.00	8.92	26.59	8.92	10.80	12.49
8/9/2021	23.21	23.21	0.03748	22.34	44.30	35.78	1.11	No	Yes	0.00	8.23	27.55	8.23	10.10	11.68
8/10/2021	23.22	23.22	0.04358	22.20	44.04	35.57	1.30	No	Yes	0.00	6.67	28.89	6.67	8.52	9.85
8/11/2021	23.22	23.22	0.04466	22.18	43.99	35.53	1.33	No	Yes	0.00	7.18	28.35	7.18	9.03	10.44
8/12/2021	23.22	23.22	0.04466	22.18	43.99	35.53	1.33	No	Yes	0.00	7.19	28.34	7.19	9.04	10.45
8/13/2021	23.22	23.22	0.04875	22.08	43.80	35.37	1.38	No	Yes	0.00	7.95	27.42	7.95	9.82	11.36
8/14/2021	23.26	23.26	0.05011	22.09	43.81	35.38	1.31	No	Yes	0.00	8.06	27.32	8.06	9.93	11.48
8/15/2021	23.22	23.22	0.05200	22.01	43.65	35.25	1.55	No	Yes	0.00	7.55	27.70	7.55	9.41	10.88
8/16/2021	23.22	23.22	0.05337	21.98	43.59	35.20	1.57	No	Yes	0.00	7.25	27.95	7.25	9.11	10.53
8/17/2021	23.20	23.20	0.05926	21.83	43.29	34.96	1.40	No	Yes	0.00	7.64	27.33	7.64	9.50	10.99
8/18/2021	23.13	23.13	0.06597	21.60	42.84	34.60	1.95	No	Yes	0.00	7.57	27.03	7.57	9.43	10.90
8/19/2021	22.97	22.97	0.06188	21.55	42.74	34.52	1.66	No	Yes	0.00	7.27	27.24	7.27	9.13	10.56
8/20/2021	23.03	23.03	0.06597	21.51	42.67	34.46	1.66	No	Yes	0.00	6.99	27.47	6.99	8.84	10.22
8/21/2021	23.10	23.10	0.07512	21.36	42.38	34.22	1.80	No	Yes	0.00	6.77	27.45	6.77	8.62	9.97
8/22/2021	17.50	17.50	0.07512	16.19	32.10	25.93	1.31	No	Yes	0.00	7.15	18.78	7.15	9.00	10.41
8/23/2021	13.30	13.30	0.07512	12.30	24.40	19.70	0.93	No	Yes	0.00	7.46	12.24	7.46	9.32	10.78
8/24/2021	9.06	9.06	0.07512	8.38	16.62	13.42	0.59	No	Yes	0.00	7.23	6.19	7.23	9.09	10.51
8/25/2021	7.08	7.08	0.07512	6.55	12.99	10.49	0.45	No	Yes	0.00	7.35	3.14	7.35	9.21	10.65
8/26/2021	5.86	5.86	0.07512	5.42	10.75	8.68	0.37	No	Yes	0.00	8.03	0.65	8.03	9.90	11.45
8/27/2021	4.65	4.65	0.07512	4.30	8.53	6.89	0.28	No	Yes	0.00	6.89	0.00	6.89	10.60	12.26
8/28/2021	3.61	3.61	0.08671	3.30	6.54	5.28	0.25	No	Yes	0.00	5.28	0.00	5.28	10.80	12.49
8/29/2021	2.55	2.55	0.08671	2.33	4.62	3.73	0.28	No	Yes	0.00	3.73	0.00	3.73	10.70	12.37
8/30/2021	2.11	2.11	0.08671	1.93	3.82	3.09	0.21	No	Yes	0.00	3.09	0.00	3.09	11.10	12.84
8/31/2021	1.92	1.92	0.08671	1.75	3.48	2.81	0.16	No	Yes	0.00	2.81	0.00	2.81	12.70	14.69
9/1/2021	1.27	1.27	0.08671	1.16	2.30	1.86	0.10	No	Yes	0.00	1.86	0.00	1.86	12.70	14.69
							29.47				228.02	583.28	511.32 [167]		

RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup		
4	16.250408	30.00	0.76665		
4	17.466537	64.00	0.8		
4	16.078549	30.00	0.76665		
4	17.899537	199.00	0.8		
4	18.285728	108.00	0.8		
4	18.511276	67.00	0.8		
4	18.610157	68.00	0.8		
4	18.713943	304.00	0.8		
4	18.711930	181.00	0.8		
4	18.710150	112.00	0.8		
4	18.710150	58.00	0.8		
4	18.702987	28.00	0.75999		
4	18.732681	21.00	0.70386		
4	18.696842	164.00	0.8		
4	18.694149	37.00	0.78996		
4	18.671238	15.00	0.63462		
4	18.593582	43.00	0.8		
4	18.478656	23.00	0.72694	14.5	0
4	18.519610	19.00	0.68078	9.94	0
4	18.549399	16.00	0.64616	10.09	1.05
3	14.052575	14.00	0.62308	8.62	4.17
2	10.679957	10.00	0.581	8.52	0.97
2	7.2752192	6.00	0.545	7.39	0
1	5.6852706	4.00	0.527	6.79	0
1	4.7056053	3.00	0.518	6.45	0
1	3.7339707	2.00	0.509	5.35	0
1	2.8933779	1.00	0.5	3.45	0
0	2.0437988	36.00	0.78663	2.21	0
0	1.6911433	23.00	0.72694	1.57	0
0	1.5388603	12.00	0.6	3.78	0
0	1.0178919	11.00	0.59		

Entire Month of August		
Total In Stream Priority	**1,036.68**	
LAWMA's Instream Portion	**1,036.68**	
Arrival Amount at JMR	**986.44**	
Return Flow Obligation	**199.50**	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**50.24**	
CU Arrival at JMR	**796.61**	
Total CU Bypassed for In-State Replacement	**0.00**	
Total CU Water to Permanent Pool	**222.55**	
Total CU Water to Offset Account	**574.06**	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	**29.06 [168]**	20.89
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**	
Total CU Transit Loss to LAWMA (Permanent Pool)	**8.17**	
Total CU Transit Loss to LAWMA (Offset Account)	**20.89**	

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [169]	Canal Flume [170]	WD 67 River Call? [171]	Available in Priority No 67 Call [172]	In Stream in Priority [173]	LAWMA's 02CW181 Portion [174]	LAWMA's 10CW85 Portion [175]	oss#1 [17	oss#2 [17	oss#3 [17	LAWMA tlossfctr [179]	crdtoffst [180	rg@hgh [18	urg@LA [18	rk@LA [18	kconfl [18	ctor#1 [18	ctor#2 [18	ctor#3 [187]	LAWMA's 02CW181 Portion [188]	LAWMA's 10CW85 Portion [189]	LAWMA's 02CW181 Portion [190]	LAWMA's 10CW85 Portion [191]	Total
9/1/2021	0.62	3.74	Yes	4.36	0.62	0.59	0.03	0.017	0.006	0.049	0.08671	**acre ft**	0.6	7.3	28.8	36.1	0.290	0.290	0.290	0.59	0.03	0.19	0.01	0.20
9/2/2021	1.13	3.61	Yes	4.74	1.13	1.08	0.05	0.017	0.006	0.049	0.08671	**0.76**	1.1	7.2	28.6	35.8	0.290	0.290	0.290	1.08	0.05	0.35	0.02	0.36
9/3/2021	1.45	3.61	Yes	5.06	1.45	1.38	0.07	0.017	0.006	0.049	0.08671	**1.39**	1.5	6.7	29.4	36.1	0.290	0.290	0.290	1.38	0.07	0.45	0.02	0.47
9/4/2021	3.14	3.79	Yes	6.93	3.14	2.99	0.15	0.017	0.006	0.049	0.08671	**1.78**	3.1	8.6	38.9	47.5	0.290	0.290	0.290	2.99	0.15	0.96	0.04	1.01
9/5/2021	3.14	3.78	Yes	6.92	3.14	2.99	0.15	0.017	0.006	0.049	0.08671	**3.86**	3.1	7.3	29.9	37.2	0.290	0.290	0.290	2.99	0.15	0.96	0.04	1.01
9/6/2021	0.84	3.58	Yes	4.42	0.84	0.80	0.04	0.017	0.006	0.049	0.08671	**3.86**	0.8	7.3	29.4	36.7	0.290	0.290	0.290	0.80	0.04	0.26	0.01	0.27
9/7/2021	0.25	3.09	Yes	3.34	0.25	0.24	0.01	0.017	0.006	0.049	0.08671	**1.04**	0.2	6.1	33.0	39.1	0.290	0.290	0.290	0.24	0.01	0.08	0.00	0.08
9/8/2021	0.17	2.49	Yes	2.66	0.17	0.16	0.01	0.017	0.006	0.049	0.08671	**0.30**	0.2	5.5	24.9	30.4	0.290	0.290	0.290	0.16	0.01	0.05	0.00	0.05
9/9/2021	0.10	2.08	Yes	2.18	0.10	0.10	0.00	0.017	0.006	0.049	0.08671	**0.21**	0.1	5.5	21.8	27.3	0.290	0.290	0.290	0.10	0.00	0.03	0.00	0.03
9/10/2021	0.09	2.01	Yes	2.10	0.09	0.09	0.00	0.017	0.006	0.049	0.08671	**0.12**	0.1	4.9	20.7	25.6	0.290	0.290	0.290	0.09	0.00	0.03	0.00	0.03
9/11/2021	0.08	1.85	Yes	1.93	0.08	0.08	0.00	0.017	0.006	0.049	0.08671	**0.11**	0.1	5.6	20.1	25.7	0.290	0.290	0.290	0.08	0.00	0.03	0.00	0.03
9/12/2021	0.04	1.26	Yes	1.30	0.04	0.04	0.00	0.017	0.006	0.049	0.08671	**0.10**	0.0	7.5	19.5	27.0	0.290	0.290	0.290	0.04	0.00	0.01	0.00	0.01
9/13/2021	0.02	0.86	Yes	0.88	0.02	0.02	0.00	0.017	0.006	0.049	0.08671	**0.05**	0.0	6.3	18.9	25.2	0.290	0.290	0.290	0.02	0.00	0.01	0.00	0.01
9/14/2021	54.30	11.30	Yes	62.50	12.70	12.11	0.59	0.014	0.006	0.049	0.0826196	**0.03**	54.3	4.1	17.4	21.5	0.233	0.290	0.290	12.11	0.59	3.90	0.18	4.08
9/15/2021	12.30	23.90	Yes	36.20	0.10	0.10	0.00	0.017	0.003	0.021	0.0501363	**15.69**	12.3	165.0	38.1	203.1	0.290	0.155	0.126	0.10	0.00	0.03	0.00	0.03
9/16/2021	339.00	0.40	Yes	62.50	23.60	22.49	1.10	0.007	0.003	0.021	0.0365258	**0.13**	339.0	217.0	27.9	244.9	0.110	0.126	0.126	22.49	1.10	7.24	0.34	7.58
9/17/2021	62.10	0.22	Yes	62.32	23.78	22.67	1.11	0.014	0.005	0.032	0.0605176	**30.61**	62.1	79.9	39.2	119.1	0.233	0.233	0.188	22.67	1.11	7.30	0.34	7.64
9/18/2021	33.80	0.13	Yes	33.93	23.87	22.75	1.12	0.017	0.006	0.040	0.0751207	**30.09**	33.8	35.6	24.4	60.0	0.290	0.290	0.233	22.75	1.12	7.33	0.34	7.67
9/19/2021	23.60	0.12	Yes	23.72	23.60	22.50	1.10	0.017	0.006	0.049	0.08671	**29.72**	23.6	21.5	17.9	39.4	0.290	0.290	0.290	22.50	1.10	7.24	0.34	7.58
9/20/2021	19.30	0.05	Yes	19.35	19.30	18.40	0.90	0.017	0.006	0.049	0.08671	**29.02**	19.3	16.8	15.9	32.7	0.290	0.290	0.290	18.40	0.90	5.92	0.27	6.20
9/21/2021	10.40	0.03	Yes	10.43	10.40	9.91	0.49	0.017	0.006	0.049	0.08671	**23.73**	10.4	14.5	16.0	30.5	0.290	0.290	0.290	9.91	0.49	3.19	0.15	3.34
9/22/2021	8.49	0.01	Yes	8.50	8.49	8.09	0.40	0.017	0.006	0.049	0.08671	**12.79**	8.5	12.2	16.1	28.3	0.290	0.290	0.290	8.09	0.40	2.61	0.12	2.73
9/23/2021	7.02	0.01	Yes	7.03	7.02	6.69	0.33	0.017	0.006	0.049	0.08671	**10.44**	7.0	9.9	15.8	25.7	0.290	0.290	0.290	6.69	0.33	2.15	0.10	2.25
9/24/2021	5.81	0.00	Yes	5.81	5.81	5.54	0.27	0.017	0.006	0.049	0.08671	**8.63**	5.8	8.2	15.2	23.4	0.290	0.290	0.290	5.54	0.27	1.78	0.08	1.87
9/25/2021	5.91	0.00	Yes	5.91	5.91	5.63	0.28	0.017	0.006	0.049	0.08671	**7.14**	5.9	7.0	15.5	22.5	0.290	0.290	0.290	5.63	0.28	1.81	0.08	1.90
9/26/2021	3.12	0.00	Yes	3.12	3.12	2.97	0.15	0.017	0.006	0.049	0.08671	**7.27**	3.1	7.0	15.3	22.3	0.290	0.290	0.290	2.97	0.15	0.96	0.04	1.00
9/27/2021	1.84	0.00	Yes	1.84	1.84	1.75	0.09	0.017	0.006	0.049	0.08671	**3.84**	1.8	5.0	15.1	20.1	0.290	0.290	0.290	1.75	0.09	0.56	0.03	0.59
9/28/2021	1.07	0.00	Yes	1.07	1.07	1.02	0.05	0.017	0.006	0.049	0.08671	**2.26**	1.1	5.7	14.8	20.5	0.290	0.290	0.290	1.02	0.05	0.33	0.02	0.34
9/29/2021	0.90	0.00	Yes	0.90	0.90	0.85	0.04	0.017	0.006	0.049	0.08671	**1.32**	0.9	8.2	14.7	22.9	0.290	0.290	0.290	0.85	0.04	0.27	0.01	0.29
9/30/2021	0.70	0.00	Yes	0.70	0.70	0.66	0.03	0.017	0.006	0.049	0.08671	**1.10**	0.7	8.3	15.1	23.4	0.290	0.290	0.290	0.66	0.03	0.21	0.01	0.22
10/1/2021	0.42	0.00	Yes									**0.85**		8.6	15.2									

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**347**	**17**
02CW181 CU factor for Sept =	67.8%	MAX =	**1991**	**80** <<Normally 1996 for 02CW181 and 98 for 10CW85
10CW85 CU factor for Sept =	69.6%	Exceeded?	No	No
02CW181 LAWMA SHARES =	3402		Cumulative Annual LAWMA=	**3130**
10CW85 LAWMA SHARES =	167		Annual Limit LAWMA=	12862
DIVERTED SHARES =	231		Cumulative Annual Leased=	**140**
TOTAL SHARES =	3800		Annual Limit Leased=	602
		234.9415124	100%	234.94
		11.83917575	100%	11.8391

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
September 2021

Date	In Stream in Priority (cfs) [192]	LAWMA's Instream Portion (cfs) [193]	Transit Loss to JMR (%) [194]	Arrival Rate at JMR (cfs) [195]	Arrival Quantity at JMR (ac-ft) [196]	Computed CU Water at JMR (ac-ft) [197]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [198]	Amount of CU Water to Offset Account (ac-ft) [199]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
9/2/2021	0.00	0.62	0.08671	0.56	1.11	0.76	0.04	No	Yes	0.00	0.76	0.00	512.08	12.30	14.22	0	0.414349	1.00	0.5
9/3/2021	0.00	1.13	0.08671	1.03	2.05	1.39	0.07	No	Yes	0.00	1.39	0.00	1.39	3.31	3.83	0	0.761324	1.00	0.5
9/4/2021	0.02	1.45	0.08671	1.32	2.63	1.78	0.08	No	Yes	0.00	0.65	1.13	0.65	1.01	1.17	0	0.976920	1.00	0.5
9/5/2021	0.82	3.14	0.08671	2.87	5.69	3.86	0.19	No	Yes	0.00	0.65	3.21	0.65	1.01	1.17	1	2.115538	3.00	0.518
9/6/2021	0.13	3.14	0.08671	2.87	5.69	3.86	0.19	No	Yes	0.00	0.48	3.38	0.48	0.84	0.97	1	2.115538	3.00	0.518
9/7/2021	0.02	0.84	0.08671	0.77	1.53	1.04	0.05	No	Yes	0.00	0.18	0.86	0.18	0.53	0.62	0	0.568635	1.00	0.5
9/8/2021	0.82	0.25	0.08671	0.23	0.45	0.30	0.00	No	Yes	0.00	0.00	0.30	0.00	0.00	0.00	0	0.166413	0.00	0
9/9/2021	1.20	0.17	0.08671	0.15	0.30	0.21	0.00	No	Yes	0.00	0.00	0.21	0.00	0.00	0.00	0	0.113188	0.00	0
9/10/2021	0.55	0.10	0.08671	0.09	0.18	0.12	0.00	No	Yes	0.00	0.00	0.12	0.00	0.00	0.00	0	0.067373	0.00	0
9/11/2021	1.60	0.09	0.08671	0.08	0.17	0.11	0.00	No	Yes	0.00	0.00	0.11	0.00	0.00	0.00	0	0.062388	0.00	0
9/12/2021	0.51	0.08	0.08671	0.07	0.15	0.10	0.00	No	Yes	0.00	0.00	0.10	0.00	0.00	0.00	0	0.055313	0.00	0
9/13/2021	0.42	0.04	0.08671	0.04	0.08	0.05	0.00	No	Yes	0.00	0.00	0.05	0.00	0.00	0.00	0	0.029913	0.00	0
9/14/2021	2.00	0.02	0.08671	0.02	0.04	0.03	0.00	No	Yes	0.00	0.00	0.03	0.00	0.00	0.00	0	0.016034	0.00	0
9/15/2021	0.60	12.70	0.08262	4.07	8.07	5.48	9.30	No	Yes	0.00	0.00	5.48	0.00	0.00	0.00	1	2.991156	54.00	0.8
9/16/2021	1.30	0.10	0.05014	0.09	0.19	0.13	0.00	No	Yes	0.00	0.00	0.13	0.00	0.00	0.00	0	0.067713	12.00	0.6
9/17/2021	2.10	23.60	0.03653	22.74	45.10	30.61	0.93	No	Yes	0.00	0.00	30.61	0.00	0.00	0.00	7	15.99794	339.00	0.8
9/18/2021	1.50	23.78	0.06052	22.34	44.32	30.09	1.55	No	Yes	0.00	0.00	30.09	0.00	0.00	0.00	7	16.08645	62.00	0.8
9/19/2021	0.06	23.87	0.07512	22.08	43.79	29.72	1.88	No	Yes	0.00	0.00	29.72	0.00	0.00	0.00	7	16.11184	34.00	0.77997
9/20/2021	0.10	23.60	0.08671	21.50	42.65	28.95	2.09	No	Yes	0.00	0.00	28.95	0.00	0.00	0.00	7	15.86065	24.00	0.73848
9/21/2021	1.30	19.30	0.08671	16.80	33.32	22.62	2.29	No	Yes	0.00	0.00	22.62	0.00	0.00	0.00	5	12.39343	19.00	0.68078
9/22/2021	1.10	10.40	0.08671	9.50	18.84	12.79	0.71	No	Yes	0.00	0.00	12.79	0.00	0.00	0.00	3	7.006878	10.00	0.581
9/23/2021	0.18	8.49	0.08671	7.75	15.38	10.44	0.56	No	Yes	0.00	0.00	10.44	0.00	0.00	0.00	2	5.720038	8.00	0.563
9/24/2021	0.00	7.02	0.08671	6.41	12.72	8.63	0.45	No	Yes	0.00	0.00	8.63	0.00	0.00	0.00	2	4.729642	7.00	0.554
9/25/2021	0.06	5.81	0.08671	5.31	10.52	7.14	0.37	No	Yes	0.00	0.00	7.14	0.00	0.00	0.00	2	3.914419	6.00	0.545
9/26/2021	0.00	5.91	0.08671	5.40	10.71	7.27	0.38	No	Yes	0.00	0.00	7.27	0.00	0.00	0.00	2	3.981793	6.00	0.545
9/27/2021	0.06	3.12	0.08671	2.85	5.65	3.84	0.19	No	Yes	0.00	0.00	3.84	0.00	0.00	0.00	1	2.102063	3.00	0.518
9/28/2021	0.00	1.84	0.08671	1.68	3.33	2.26	0.11	No	Yes	0.00	0.00	2.26	0.00	0.00	0.00	1	1.239678	2.00	0.509
9/29/2021	0.16	1.07	0.08671	0.98	1.94	1.32	0.06	No	Yes	0.00	0.00	1.32	0.00	0.00	0.00	0	0.720899	1.00	0.5
9/30/2021	0.56	0.90	0.08671	0.82	1.62	1.10	0.05	No	Yes	0.00	0.00	1.10	0.00	0.00	0.00	0	0.602995	1.00	0.5
10/1/2021	0.02	0.70	0.08671	0.63	1.26	0.85	0.04	No	Yes	0.00	0.00	0.85	0.00	0.00	0.00	0	0.468248	1.00	0.5
							21.57				4.10	212.77				0			
												211.91	515.42 [200]						

Entire Month of September

Total In Stream Priority	**363.53**
LAWMA's Instream Portion	**363.53**
Arrival Amount at JMR	**319.47**
Return Flow Obligation	**116.75**
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**44.06**
CU Arrival at JMR	**216.87**
Total CU Bypassed for In-State Replacement	**0.00**
Total CU Water to Permanent Pool	**4.10**
Total CU Water to Offset Account	**212.77** Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	**21.57 [201]** 21.17
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**
Total CU Transit Loss to LAWMA (Permanent Pool)	**0.41**
Total CU Transit Loss to LAWMA (Offset Account)	**21.17**

LAWMA Highland Accounting 2021

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		
Date	Purgatoire @ Highland River Gage [202]	Canal Flume [203]	WD 67 River Call? [204]	Available in Priority No 67 Call [205]	In Stream in Priority [206]	LAWMA's 02CW181 Portion [207]	LAWMA's 10CW85 Portion [208]	oss#1 [20	oss#2 [21	oss#3 [21	LAWMA tlossfctr [212]	crdtoffst [213	rg@hgh [21	urg@LA [21	rk@LA [216	rkconfl [21	ctor#1 [21	ctor#2 [21	ctor#3 [220]	LAWMA's 02CW181 Portion [221]	LAWMA's 10CW85 Portion [222]	LAWMA's 02CW181 Portion [223]	LAWMA's 10CW85 Portion [224]	Total
10/1/2021	0.42	0.00	Yes	0.42	0.42	0.40	0.02	0.017	0.006	0.049	0.08671	**acre ft**	0.4	8.56	15.20	23.76	0.290	0.290	0.290	0.40	0.02	0.26	0.01	0.27
10/2/2021	0.91	0.00	Yes	0.91	0.91	0.86	0.04	0.017	0.006	0.049	0.08671	**0.27**	0.9	5.57	16.50	22.07	0.290	0.290	0.290	0.86	0.04	0.56	0.03	0.58
10/3/2021	0.97	0.00	Yes	0.97	0.97	0.92	0.05	0.017	0.006	0.049	0.08671	**0.59**	1.0	4.78	15.20	19.98	0.290	0.290	0.290	0.92	0.05	0.59	0.03	0.62
10/4/2021	0.99	0.00	Yes	0.99	0.99	0.94	0.05	0.017	0.006	0.049	0.08671	**0.63**	1.0	4.17	14.90	19.07	0.290	0.290	0.290	0.94	0.05	0.61	0.03	0.64
10/5/2021	1.81	0.00	Yes	1.81	1.81	1.73	0.08	0.017	0.006	0.049	0.08671	**0.64**	1.8	3.47	14.60	18.07	0.290	0.290	0.290	1.73	0.08	1.11	0.05	1.16
10/6/2021	1.20	0.00	Yes	1.20	1.20	1.14	0.06	0.017	0.006	0.049	0.08671	**1.17**	1.2	3.31	14.70	18.01	0.290	0.290	0.290	1.14	0.06	0.74	0.03	0.77
10/7/2021	3.27	0.00	Yes	3.27	3.27	3.12	0.15	0.017	0.006	0.049	0.08671	**0.78**	3.3	3.55	14.60	18.15	0.290	0.290	0.290	3.12	0.15	2.01	0.09	2.10
10/8/2021	8.30	0.00	Yes	8.30	8.30	7.91	0.39	0.017	0.006	0.049	0.08671	**2.12**	8.3	4.86	14.70	19.56	0.290	0.290	0.290	7.91	0.39	5.10	0.24	5.33
10/9/2021	7.23	0.00	Yes	7.23	7.23	6.89	0.34	0.017	0.006	0.049	0.08671	**5.37**	7.2	9.81	13.90	23.71	0.290	0.290	0.290	6.89	0.34	4.44	0.21	4.65
10/10/2021	6.51	0.00	Yes	6.51	6.51	6.21	0.30	0.017	0.006	0.049	0.08671	**4.68**	6.5	8.63	13.90	22.53	0.290	0.290	0.290	6.21	0.30	4.00	0.19	4.18
10/11/2021	5.90	0.00	Yes	5.90	5.90	5.62	0.28	0.017	0.006	0.049	0.08671	**4.22**	5.9	8.07	14.20	22.27	0.290	0.290	0.290	5.62	0.28	3.62	0.17	3.79
10/12/2021	4.48	0.00	Yes	4.48	4.48	4.27	0.21	0.017	0.006	0.049	0.08671	**3.82**	4.5	6.69	13.80	20.49	0.290	0.290	0.290	4.27	0.21	2.75	0.13	2.88
10/13/2021	2.19	0.00	Yes	2.19	2.19	2.09	0.10	0.017	0.006	0.049	0.08671	**2.90**	2.2	6.40	14.50	20.90	0.290	0.290	0.290	2.09	0.10	1.34	0.06	1.41
10/14/2021	1.08	0.00	Yes	1.08	1.08	1.03	0.05	0.017	0.006	0.049	0.08671	**1.42**	1.1	4.79	15.00	19.79	0.290	0.290	0.290	1.03	0.05	0.66	0.03	0.69
10/15/2021	1.07	0.00	Yes	1.07	1.07	1.02	0.05	0.017	0.006	0.049	0.08671	**0.70**	1.1	3.93	17.00	20.93	0.290	0.290	0.290	1.02	0.05	0.66	0.03	0.69
10/16/2021	0.98	0.00	Yes	0.98	0.98	0.93	0.05	0.017	0.006	0.049	0.08671	**0.69**	1.0	3.44	17.70	21.14	0.290	0.290	0.290	0.93	0.05	0.60	0.03	0.63
10/17/2021	0.56	0.00	Yes	0.56	0.56	0.54	0.03	0.017	0.006	0.049	0.08671	**0.63**	0.6	3.63	17.90	21.53	0.290	0.290	0.290	0.54	0.03	0.35	0.02	0.36
10/18/2021	0.50	0.00	Yes	0.50	0.50	0.47	0.02	0.017	0.006	0.049	0.08671	**0.37**	0.5	3.42	16.90	20.32	0.290	0.290	0.290	0.47	0.02	0.30	0.01	0.32
10/19/2021	0.90	0.00	Yes	0.90	0.90	0.86	0.04	0.017	0.006	0.049	0.08671	**0.32**	0.9	3.08	15.00	18.08	0.290	0.290	0.290	0.86	0.04	0.55	0.03	0.58
10/20/2021	0.98	0.00	Yes	0.98	0.98	0.94	0.05	0.017	0.006	0.049	0.08671	**0.58**	1.0	2.69	15.70	18.39	0.290	0.290	0.290	0.94	0.05	0.60	0.03	0.63
10/21/2021	5.47	0.00	Yes	5.47	5.47	5.21	0.26	0.017	0.006	0.049	0.08671	**0.64**	5.5	2.64	15.70	18.34	0.290	0.290	0.290	5.21	0.26	3.36	0.16	3.51
10/22/2021	10.70	0.00	Yes	10.70	10.70	10.20	0.50	0.017	0.006	0.049	0.08671	**3.54**	10.7	7.85	15.70	23.55	0.290	0.290	0.290	10.20	0.50	6.57	0.31	6.88
10/23/2021	10.40	0.00	Yes	10.40	10.40	9.91	0.49	0.017	0.006	0.049	0.08671	**6.93**	10.4	10.70	17.90	28.60	0.290	0.290	0.290	9.91	0.49	6.38	0.30	6.68
10/24/2021	10.20	0.00	Yes	10.20	10.20	9.72	0.48	0.017	0.006	0.049	0.08671	**6.73**	10.2	10.30	24.20	34.50	0.290	0.290	0.290	9.72	0.48	6.26	0.29	6.55
10/25/2021	10.10	0.00	Yes	10.10	10.10	9.63	0.47	0.017	0.006	0.049	0.08671	**6.60**	10.1	11.10	27.40	38.50	0.290	0.290	0.290	9.63	0.47	6.20	0.29	6.49
10/26/2021	9.80	0.00	Yes	9.80	9.80	9.34	0.46	0.017	0.006	0.049	0.08671	**6.54**	9.8	10.60	26.10	36.70	0.290	0.290	0.290	9.34	0.46	6.02	0.28	6.30
10/27/2021	9.65	0.00	Yes	9.65	9.65	9.20	0.45	0.017	0.006	0.049	0.08671	**6.35**	9.7	15.30	20.60	35.90	0.290	0.290	0.290	9.20	0.45	5.92	0.28	6.20
10/28/2021	9.21	0.00	Yes	9.21	9.21	8.78	0.43	0.017	0.006	0.049	0.08671	**6.25**	9.2	18.50	20.10	38.60	0.290	0.290	0.290	8.78	0.43	5.65	0.26	5.92
10/29/2021	9.32	0.00	Yes	9.32	9.32	8.88	0.44	0.017	0.006	0.049	0.08671	**5.96**	9.3	20.30	25.50	45.80	0.290	0.290	0.290	8.88	0.44	5.72	0.27	5.99
10/30/2021	9.98	0.00	Yes	9.98	9.98	9.51	0.47	0.017	0.006	0.040	0.0751207	**6.03**	10.0	23.80	29.00	52.80	0.290	0.290	0.233	9.51	0.47	6.13	0.29	6.41
10/31/2021	10.20	0.00	Yes	10.20	10.20	9.72	0.48	0.017	0.006	0.040	0.0751207	**6.54**	10.2	21.40	29.90	51.30	0.290	0.290	0.233	9.72	0.48	6.26	0.29	6.55
11/1/2021												**6.69**												

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

Blue numbers indicate revised data based upon hydro adjustments

		TOTAL AF	**294**	**14**	
02CW181 CU factor for October =	35.6%	MAX =	**831**	**39**	<<Normally 1142 for 02CW181 and 56 for 10CW85
10CW85 CU factor for October =	38.7%	Exceeded?	No	No	
LAWMA SHARES =	3402		Cumulative Annual LAWMA=		**3423**
LAWMA LEASED SHARES =	167		Annual Limit LAWMA=		12862
DIVERTED SHARES =	231		Cumulative Annual Leased=		**154**
TOTAL SHARES =	3800		Annual Limit Leased=		602
		104.5112666	100%	104.511	
		6	100%	5.57707	
		110.0883385			

LAWMA Highland Accounting 2021

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
October 2021

Date	In Stream in Priority (cfs) [225]	LAWMA's Instream Portion (cfs) [226]	Transit Loss to JMR (%) [227]	Arrival Rate at JMR (cfs) [228]	Arrival Quantity at JMR ac-ft) [229	Computed CU Water at JMR (ac-ft) [230]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [231]	Amount of CU Water to Offset Account (ac-ft) [232]	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)		Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
10/2/2021	0.42	0.42	0.08671	0.39	0.77	0.27	0.02	No	Yes	0.00	0.00	0.27	515.42	0.00	0.00	0	0.150419	30.00	0.76665
10/3/2021	0.91	0.91	0.08671	0.83	1.64	0.59	0.04	No	Yes	0.00	0.00	0.59	0.00	0.00	0.00	1	0.321415	64.00	0.8
10/4/2021	0.97	0.97	0.08671	0.88	1.75	0.63	0.05	No	Yes	0.00	0.00	0.63	0.00	0.00	0.00	1	0.342701	30.00	0.76665
10/5/2021	0.99	0.99	0.08671	0.90	1.79	0.64	0.05	No	Yes	0.00	0.00	0.64	0.00	0.00	0.00	1	0.350860	199.00	0.8
10/6/2021	1.81	1.81	0.08671	1.65	3.28	1.17	0.09	No	Yes	0.00	0.00	1.17	0.00	0.00	0.00	1	0.642121	108.00	0.8
10/7/2021	1.20	1.20	0.08671	1.10	2.17	0.78	0.06	No	Yes	0.00	0.00	0.78	0.00	0.00	0.00	1	0.425715	67.00	0.8
10/8/2021	3.27	3.27	0.08671	2.99	5.92	2.12	0.16	No	Yes	0.00	0.00	2.12	0.00	0.00	0.00	2	1.160075	68.00	0.8
10/9/2021	8.30	8.30	0.08671	4.86	9.64	3.45	1.95	No	Yes	0.00	0.00	3.45	0.00	0.00	0.00	3	1.887843	304.00	0.8
10/10/2021	7.23	7.23	0.08671	6.60	13.10	4.68	0.36	No	Yes	0.00	0.00	4.68	0.00	0.00	0.00	4	2.564936	181.00	0.8
10/11/2021	6.51	6.51	0.08671	5.95	11.79	4.22	0.32	No	Yes	0.00	0.00	4.22	0.00	0.00	0.00	4	2.309507	112.00	0.8
10/12/2021	5.90	5.90	0.08671	5.39	10.69	3.82	0.29	No	Yes	0.00	0.00	3.82	0.00	0.00	0.00	3	2.093101	58.00	0.8
10/13/2021	4.48	4.48	0.08671	4.09	8.12	2.90	0.21	No	Yes	0.00	0.00	2.90	0.00	0.00	0.00	3	1.589338	28.00	0.75999
10/14/2021	2.19	2.19	0.08671	2.00	3.97	1.42	0.09	No	Yes	0.00	0.00	1.42	0.00	0.00	0.00	1	0.776930	21.00	0.70386
10/15/2021	1.08	1.08	0.08671	0.99	1.96	0.70	0.05	No	Yes	0.00	0.00	0.70	0.00	0.00	0.00	1	0.383144	164.00	0.8
10/16/2021	1.07	1.07	0.08671	0.98	1.94	0.69	0.05	No	Yes	0.00	0.00	0.69	0.00	0.00	0.00	1	0.379596	37.00	0.78996
10/17/2021	0.98	0.98	0.08671	0.89	1.77	0.63	0.04	No	Yes	0.00	0.00	0.63	0.00	0.00	0.00	1	0.345893	15.00	0.63462
10/18/2021	0.56	0.56	0.08671	0.52	1.02	0.37	0.03	No	Yes	0.00	0.00	0.37	0.00	0.00	0.00	0	0.200086	43.00	0.8
10/19/2021	0.50	0.50	0.08671	0.45	0.90	0.32	0.02	No	Yes	0.00	0.00	0.32	0.00	0.00	0.00	0	0.175607	23.00	0.72694
10/20/2021	0.90	0.90	0.08671	0.82	1.63	0.58	0.04	No	Yes	0.00	0.00	0.58	0.00	0.00	0.00	1	0.319641	19.00	0.68078
10/21/2021	0.98	0.98	0.08671	0.90	1.78	0.64	0.04	No	Yes	0.00	0.00	0.64	0.00	0.00	0.00	1	0.348377	16.00	0.64616
10/22/2021	5.47	5.47	0.08671	2.64	5.24	1.87	1.25	No	Yes	0.00	0.00	1.87	0.00	0.00	0.00	2	1.025495	14.00	0.62308
10/23/2021	10.70	10.70	0.08671	7.85	15.57	5.57	1.17	No	Yes	0.00	0.00	5.57	0.00	0.00	0.00	5	3.049293	10.00	0.581
10/24/2021	10.40	10.40	0.08671	9.50	18.84	6.73	0.35	No	Yes	0.00	0.00	6.73	0.00	0.00	0.00	6	3.689535	6.00	0.545
10/25/2021	10.20	10.20	0.08671	9.32	18.48	6.60	0.33	No	Yes	0.00	0.00	6.60	0.00	0.00	0.00	6	3.618582	4.00	0.527
10/26/2021	10.10	10.10	0.08671	9.22	18.30	6.54	0.32	No	Yes	0.00	0.00	6.54	0.00	0.00	0.00	6	3.583106	3.00	0.518
10/27/2021	9.80	9.80	0.08671	8.95	17.75	6.35	0.31	No	Yes	0.00	0.00	6.35	0.00	0.00	0.00	6	3.476677	2.00	0.509
10/28/2021	9.65	9.65	0.08671	8.81	17.48	6.25	0.30	No	Yes	0.00	0.00	6.25	0.00	0.00	0.00	6	3.423463	1.00	0.5
10/29/2021	9.21	9.21	0.08671	8.41	16.68	5.96	0.45	No	Yes	0.00	0.00	5.96	0.00	0.00	0.00	5	3.267367	36.00	0.78663
10/30/2021	9.32	9.32	0.08671	8.51	16.88	6.03	0.42	No	Yes	0.00	0.00	6.03	0.00	0.00	0.00	5	3.306391	23.00	0.72694
10/31/2021	9.98	9.98	0.07512	9.23	18.31	6.54	0.32	No	Yes	0.00	0.00	6.54	0.00	0.00	0.00	6	3.547225	12.00	0.6
11/1/2021	10.20	10.20	0.07512	9.43	18.71	6.69	0.32	No	Yes	0.00	0.00	6.69	0.00	0.00	0.00		3.625420	11.00	0.59
							9.68				0.00	89.91	515.42 [233]						

Entire Month of October	
Total In Stream Priority	**307.98**
LAWMA's Instream Portion	**307.98**
Arrival Amount at JMR	**267.86**
Return Flow Obligation	**197.89**
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	**40.12**
CU Arrival at JMR	**95.75**
Total CU Bypassed for In-State Replacement	**0.00**
Total CU Water to Permanent Pool	**0.00**
Total CU Water to Offset Account	**95.75**
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	**9.49 [234]**
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	**0.00**
Total CU Transit Loss to LAWMA (Permanent Pool)	**0.00**
Total CU Transit Loss to LAWMA (Offset Account)	**9.49**

Amount per Highland Agreement: 9.49

Highland Accounting Summary

(values in ac-ft)

	Direct Flow Consumptive Use Credits			Delivery To		
	02CW181	10CW85	Total	Bypassed for In-State Replacement	Delivered to the Permanent Pool	Delivered to the Offset Account
April	47.55	2.40	49.95	0.00	0.00	68.56
May	569.31	27.95	597.26	0.00	111.87	597.26
June	1,025.42	50.29	1,075.71	0.00	155.29	1,075.71
July	456.82	22.42	479.24	0.00	288.77	479.24
August	555.99	27.29	583.28	0.00	222.55	43.81
September	202.00	9.92	211.91	0.00	4.10	37.22
October	91.27	4.48	95.75	0.00	0.00	95.75
	2,948.35	144.75	3,093.10	0.00	782.58	2,397.55

Enclosure 2

Permanent Pool Approval and Resolution

MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR

This MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR ("Agreement") is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the "States").

WHEREAS, the Arkansas River Compact was entered into between the States and consented to by the United States in 1948 to equitably divide and apportion the waters of the Arkansas River and their utilization, among other purposes, between the States;

WHEREAS, the Flood Control Act of 1965 authorized a permanent pool for wildlife and recreation purposes at John Martin Reservoir ("Permanent Pool");

WHEREAS, various other acts by the States and by the Arkansas River Compact Administration ("ARCA") have recognized the authority for creating and operating the Permanent Pool;

WHEREAS, a ready source of water supply has not always been available to the State of Colorado for the Permanent Pool;

WHEREAS, the Highland Canal water rights ("Highland Canal Water") are an important source of water for the Offset Account at John Martin Reservoir;

WHEREAS, pursuant to a water management agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association ("LAWMA"), LAWMA will allow use of its Highland Canal Water, located in District 17 upstream of John Martin Reservoir and diverting from the Purgatoire River, as a source of water supply for the Permanent Pool; and

WHEREAS, for the mutual benefit of the States, the State of Colorado and the State of Kansas wish to authorize the delivery of Highland Canal Water into the Permanent Pool under the conditions contained in this Agreement.

NOW THEREFORE, BE IT AGREED,

1. Highland Canal Water may not be delivered to the Permanent Pool pursuant to this Agreement until ARCA approves the use of Highland Canal Water as a source of water for the Permanent Pool.
2. Each year that this Agreement is in effect, the State of Colorado and LAWMA agree to deliver an amount of fully consumable water ("Delivery Requirement") to the Offset Account in John Martin Reservoir between March 1st and November 15th, as determined each year pursuant to this Agreement.

3. This Agreement will be in effect during each calendar year that LAWMA delivers Highland Canal Water to the Permanent Pool and the terms and conditions of this Agreement will only apply at times when the Agreement is in effect.

4. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, an annual source analysis in the format shown in the file "LAWMA_SourceAnalysisForHighlandPermanentPool_EstimateV1.0" ("Annual Source Analysis") or a subsequent version as agreed to by the States pursuant to this Agreement. The Annual Source Analysis is hereby incorporated by reference. The Annual Source Analysis, LAWMA's Rule 14 Replacement Application, and LAWMA's Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This Annual Source Analysis will propose an Annual Target Amount and a Minimum Delivery Amount.

5. Water in the Kansas Charge subaccount and any non-consumable storage subaccounts in the Offset Account shall not be considered a part of the Annual Target Amount or Minimum Delivery Amount deliveries under this Agreement.

6. The March 1 Offset Account storage balance for the consumable subaccounts, with the exception of the Kansas Charge subaccount, will be used to determine a Minimum Delivery Amount as part of the Annual Source Analysis. If on March 1, the Offset Account storage balance is 4,000 acre-feet or less, the Minimum Delivery Amount will be 6,000 acre-feet. If on March 1, the Offset Account storage balance is between 4,001 acre-feet and 10,000 acre-feet, the Minimum Delivery Amount will be the difference between 10,000 acre-feet and Offset Account storage balance on March 1. If on March 1, the Offset Account storage balance is more than 10,000 acre-feet, the Minimum Delivery Amount will be zero. However, if the amount released by Kansas from the Offset Account during the prior calendar year for Stateline delivery was 2,000 acre-feet or less, the Minimum Delivery Amount as calculated above will be further reduced by 2,000 acre-feet or shall be zero, whichever is greater.

7. During the month of March each year the States shall confer with one another and LAWMA, and either accept or recommend modification of the values used in the Annual Source Analysis and determine the final values for the Annual Target Amount and the Minimum Delivery Amount. The Delivery Requirement will be the greater of Annual Target Amount or Minimum Delivery Amount and shall be set by agreement between the Assistant Operations Secretary and Operations Secretary acting on behalf of each State by March 31st of each year. If the States and LAWMA cannot reach agreement prior to March 31st in any year, Highland Canal Water will not be delivered to the Permanent Pool during that calendar year and none of the other requirements of this Agreement shall be in effect for that calendar year, unless otherwise agreed to in writing by the States and LAWMA.

8. Any agreement related to the values coming out of the Annual Source Analysis does not constitute agreement with LAWMA's underlying accounting.

9. This Agreement shall not prohibit deliveries to the Offset Account in excess of the Delivery Requirement, nor shall this Agreement limit the ability to deliver Highland Canal Water to the Offset Account.

10. At least two thirds of the Delivery Requirement shall be delivered to the Offset Account by July 1st.

11. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

> For _(month/year)_ there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.

12. In the case of a spill of the Offset Account, or if a spill of the Offset Account appears likely, any quantity of water required by this Agreement to be delivered to the Offset Account may be delayed for the purpose of avoiding a spill of such deliveries. The terms and conditions of any such delay shall be first proposed in writing by LAWMA. There shall be no allowable delay in delivery until such terms and conditions are approved in writing by the Chief Engineer of the State of Kansas.

13. LAWMA and the Colorado Division of Parks and Wildlife must obtain approval for a Substitute Water Supply Plan ("SWSP") pursuant to §37-92-308(4) or §37-92-308(5) of the Colorado Revised Statutes or obtain an applicable change of use decree from Colorado Water Court prior to delivery of Highland Canal Water to the Permanent Pool.

14. After ARCA has approved the use Highland Canal Water as a source of water for the Permanent Pool and upon receipt of an approved SWSP or Colorado Water Court approval, Highland Canal Water may be delivered to the Permanent Pool on a daily basis to the extent it is not needed to fulfill the commitment to the Offset Account pursuant to the terms of this Agreement.

15. Highland Canal Water shall not be delivered to the Permanent Pool in months when any portion of Highland Canal Water is used for in-state replacement.

16. Replacement credit will not be claimed as special water input to the H-I Model for the unconsumed transit losses incurred when Highland Canal Water is being delivered to the Permanent Pool. LAWMA may claim in-state replacement credit in the monthly accounting maintained by the State of Colorado for unconsumed transit losses allowed by either of the LAWMA decrees entered in Case Nos. 02CW181 and 10CW085, District Court, Water Division No. 2, State of Colorado, or an approved SWSP, provided that such claims do not exceed the allowable amounts contained in **Attachment A** (MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12).

17. LAWMA or the Colorado Division of Parks and Wildlife, through Colorado Division of Water Resources staff, shall notify the State of Kansas and the ARCA Operations Secretary prior to beginning delivery of Highland Canal Water to the Permanent Pool.

18. The ARCA Operations Secretary shall keep accurate records of all deliveries into the Permanent Pool, provide such information to the State of Kansas upon request, and include an annual summary of all Permanent Pool operations in the Operation Secretary's annual report to ARCA.

19. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.

20. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.

21. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.

22. The States agree to review at each ARCA Annual Meeting the terms of this Agreement and ensure they are being implemented as intended and with the desired effect, including whether any modification of the Agreement is necessary. The review shall be conducted by the Engineering Committee, unless otherwise assigned by ARCA, and the results shall be reported by the committee during its annual meeting report. The annual review may be waived if agreed to by both States.

23. Any proposed changes to the Annual Source Analysis, including any changes to the spreadsheet upon which the Annual Source Analysis is based, shall be considered during the ARCA Annual Meeting review of this Agreement. The States shall agree to any proposed changes by memorializing them in writing in a formal addendum that shall be attached to this Agreement. All approved changes shall take effect for the next Annual Source Analysis after approval by the States. Changes to the Annual Source Analysis shall not require approval by ARCA.

24. Following the annual review and ARCA Annual Meeting, this Agreement may be suspended by either State if notice is provided to ARCA and the other State by

January 15th of the calendar year in which the Agreement shall be suspended. Such notice shall be in writing and contain both a preliminary statement about why the Agreement has been suspended and any specific issues for discussion between the States. If the Agreement remains suspended for three consecutive years, then the Agreement shall terminate unless otherwise agreed upon in writing by the States.

25. All notices, reports, and other documents required by this Agreement may be delivered by email or any other electronic means acceptable to the States.

Kevin G. Rein, P.E.
Colorado State Engineer

David W. Barfield, P.E.
Kansas Chief Engineer

2 of 2 originals

Enclosure 3

Substitute Water Supply Plan Approval for Highland Canal Use in the Permanent Pool

March 31, 2021

Randy Hendrix
Hendrix Wai Engineering, Inc.
PO Box 4487
Parker, CO 80134

RE: JMR Permanent Pool Substitute Water Supply Plan
John Martin Reservoir, Bent County, 6th PM
Division 2, Water District 67
Case No. 20CW3015, SWSP ID 5919, WDID 6707869

Approval period: April 1, 2021 through March 31, 2022
Contact Phone Number for Mr. Hendrix: 720-934-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have reviewed your January 7, 2021 letter requesting a substitute water supply plan ("SWSP") pursuant to § 37-92-308(4), C.R.S., for a temporary change of water right for the use of the Highland Canal water rights owned by the Lower Arkansas Water Management Association ("LAWMA"). LAWMA has applied for a change of water rights in Division 2 Water Court Case No. 20CW3015. Notice was served to all parties who have filed a statement of opposition to the plan in water court on January 7, 2021. Comments were received from the Bent County Board of County Commissioners during the 35-day comment period. The $300 filing fee has been received and given receipt no. 10008578.

The LAWMA's SWSP was originally approved pursuant to § 37-92-308(5), C.R.S. on May 24, 2017 for operation beginning June 1, 2017. The three years operated under § 37-92-308(5), C.R.S. will count towards the annual renewal limits contained in § 37-92-308(4), C.R.S. Pursuant to §37-92-308(4)(b), C.R.S., "If an applicant requests renewal of a plan that would extend the plan past five years from the initial date of approval, the applicant shall demonstrate to the water judge in the applicable water division that the delay in obtaining a decree has been justifiable and that not being able to continue operating under a substitute water supply plan until a decree is entered will cause undue hardship to the applicant." **This is the fifth year of approval for this SWSP.**

SWSP OPERATION

The purpose of this SWSP is to approve a temporary change in the use of Highland Canal water rights owned by LAWMA, that were previously changed and quantified by LAWMA in Case Nos. 02CW181 and 10CW85, in order to fill the Permanent Pool in John Martin Reservoir ("JMR") and thereafter replace evaporation from the Permanent Pool. Pursuant to the decrees entered in Case Nos. 02CW181 and 10CW85, the Highland Canal water rights may be used for augmentation or replacement of depletions in the Arkansas River or its tributaries by LAWMA. The Highland Canal

water rights changed in Case Nos. 02CW181 and 10CW85 are currently decreed to be diverted and stored only in the JMR Offset Account. Subject to the terms and conditions included in the agreement entered into between the states of Colorado and Kansas ("Permanent Pool Agreement") dated February 21, 2019, LAWMA has agreed to provide fully-consumable water from its Highland Canal water rights for use by the Colorado Division of Parks and Wildlife (“CPW”) in the Permanent Pool. Both the Permanent Pool and the Offset Account are storage accounts located within JMR. Therefore, there is no physical change in the place of storage of the Highland Canal water rights when the water rights are stored in JMR's Permanent Pool account or the Offset Account. However, because all or a portion of the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85 will no longer be delivered to the Offset Account, the use of the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85 need to be temporarily changed to allow storage in the Permanent Pool in JMR. For the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85, the allowable uses will also be temporarily changed by this SWSP to include, in addition to the currently decreed augmentation and replacement uses, fish, wildlife, and recreational purposes in JMR and replacement of evaporation from the Permanent Pool in JMR.

Arkansas River Compact Administration ("ARCA") established a Permanent Pool in JMR for fish, wildlife and recreational purposes not to exceed 15,000 acre-feet. This Pool is protected from spill when its volume is 10,000 acre-feet or less. The Pool is normally filled and maintained by CPW using either water from Muddy Creek (decreed in CA-1434) or purchased transmountain water. Muddy Creek does not produce sufficient flow to fill the Pool, or to cover evaporation losses (JMR apportions evaporative losses through the accounts in the reservoir). Transmountain water supplies are prohibitively expensive for CPW. Therefore, the agency is seeking a more permanent and reliable source to cover evaporative losses and fill the Permanent Pool.

A special ARCA meeting was held by telephone on February 14, 2019, during which
Resolution No. 2019-01 was approved to authorize the use of the Highland Canal for delivery to the JMR pool.

DEPLETIONS

Depletions to the Permanent Pool consist primarily of evaporative losses. The evaporative losses from the Permanent Pool depend on the volumes of water in storage in the Permanent Pool. Based on the water surface, the average evaporative losses are 26,478 acre feet over all the storage accounts. Evaporative losses on the water stored in the Permanent Pool have averaged 1,960 acre-feet annually (see Table 1). The consumptive use credits available to LAWMA's Highland Canal water rights average 3,811 acre-feet per year, which would be sufficient to cover the losses sustained by CPW's Permanent Pool apportionment. These are given in the attached Table 2 for the Operational Scenario presented in this SWSP request.

CONDITIONS OF APPROVAL

This SWSP is hereby approved pursuant to § 37-92-308(4), C.R.S., subject to the following conditions:

1. This SWSP shall be valid for the period of **April 1, 2021 through March 31, 2022**, unless otherwise revoked, or superseded by decree. Additional SWSPs are required until a court decree is obtained in pending Case No. 20CW3015 for the proposed uses. Any request for an

additional SWSP is subject to the provisions of C.R.S. 37-92-308(4), and the statutory fee of $300 will be required pursuant to C.R.S. 37-92-308(8). Any request for an additional SWSP must be submitted to this office no later than **January 2, 2022**.

2. The initial date of approval for this SWSP was May 24, 2017 for operation beginning June 1, 2017. Pursuant to § 37-92-308(4)(b), C.R.S., "If an applicant requests renewal of a plan that would extend the plan past five years from the initial date of approval, the applicant shall demonstrate to the water judge in the applicable water division that the delay in obtaining a decree has been justifiable and that not being able to continue operating under a substitute water supply plan until a decree is entered will cause undue hardship to the applicant." **This SWSP will not be approved for the 2022 – 2023 period unless we receive evidence from the court that the applicant has met this requirement.**

3. Approval of this SWSP is for the purposes stated herein. ARCA Resolution No. 2019-01 (dated February 14, 2019) and the Permanent Pool Agreement (dated February 21, 2019) permit the operation as described herein. Operations approved under this SWSP shall comply with these agreements. Any renewal of this SWSP MUST have prior approval by all entities involved. Additionally, operation of the Highland Canal water rights shall be done in adherence to the Memorandum of Agreement Related to the Highland Canal Water Right and Resolution of Lower Arkansas Water Management Association Matrix Issues Nos. 9 and 12 dated February 21, 2019 (Highland Water Right Agreement) also attached.

4. Credits for use of the Highland Canal water right for delivery to the Permanent Pool may begin as of April 1, 2021, being the beginning date of operation of this SWSP.

5. Accounting of water in this plan will be performed utilizing the shared Google accounting sheet for the Highland Canal water right maintained jointly by LAWMA and the Division 2 Office with any distribution of the accounting accomplished by the Division 2 Office and/or LAWMA as appropriate.

6. Maintenance of return flows for the Highland Canal water rights and volumetric limits shall comply with the requirements of the decrees in Case Nos. 02CW181 and 10CW085 when the water rights are used for the Permanent Pool uses approved under this SWSP as further delineated in the Highland Water Right Agreement.

7. Use of water for the Permanent Pool is subject to compliance with all terms and conditions of the decrees in Case Nos. 02CW181 and 10CW085, including any limitations on use of the Highland Canal water for "New Uses" related to compliance with revegetation provisions of such decrees.

8. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.

9. The decision of the State Engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in any pending

water court case or any other legal action that may be initiated concerning the SWSP. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other SWSPs or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant. Any appeal of a decision made by the State Engineer concerning an SWSP pursuant to § 37-92-308(4), C.R.S., shall be to the Division 2 Water Judge within thirty days of the date of this decision and shall be consolidated with the pending water court application.

Should you have any questions, please contact Kate Fuller of this office or Lonnie Spady, in our Division 2 office in La Junta at (719) 384-1000.

Sincerely,

Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: ARCA Resolution No. 2019-01
Permanent Pool Agreement
Highland Water Right Agreement
Tables 1, 2

cc: Bill Tyner, Division Engineer
Kevin Salter, Kansas Department of Agriculture
Dale Book, Spronk Water Engineers
Brett Ackerman, CPW
Ema Schultz, AGO
Don Higbee, LAWMA
Richard Mehren, MWHW
Division 2 SWSP Review Team
Lonnie Spady, East Regional Team Leader, District 17
Brandy Cole, Water Commissioner Districts 66 & 67
Opposers in Case No. 20CW3015

ARKANSAS RIVER COMPACT ADMINISTRATION
Lamar, Colorado 81052

For Colorado	Chair and Federal Representative	For Kansas
Rebecca Mitchell, Denver	James Rizzuto, Swink, CO	David Barfield, Topeka
Lane Malone, Holly	Randy Hayzlett, Lakin	
Scott Brazil, Vineland	Troy Dumler, Garden City	

Arkansas River Compact Administration
Resolution No. 2019-01

Regarding John Martin Reservoir Permanent Pool

WHEREAS, Section 204 of the Flood Control Act of 1965 authorized a "permanent pool for fish and wildlife and recreational purposes" at John Martin Reservoir ("JMR"); and

WHEREAS, Section 204 of the Flood Control Act of 1965 required that the State of Colorado "purchase and make available any water rights necessary under State law to establish and thereafter maintain the permanent pool"; and

WHEREAS, Section 204 of the Flood Control Act of 1965 required that the Arkansas River Compact Administration ("ARCA") approve "written terms and conditions . . . [for] establishing, maintaining, and operating the permanent pool"; and

WHEREAS, by the Resolution Concerning John Martin Reservoir Permanent Pool ("1976 Resolution") adopted on August 14, 1976, ARCA "approve[d] the creation in [JMR] of a permanent pool . . . and adopt[ed] the criteria . . . as procedures for the operation of [JMR]"; and

WHEREAS, the 1976 Resolution further provided that "water deliveries from other valid water rights owned or controlled by the State of Colorado may be added to the permanent pool water supply subject to the approval of [ARCA]"; and

WHEREAS, The Resolution Concerning an Operating Plan for John Martin Reservoir (Apr. 24, 1980, as amended) ("1980 Operating Plan") recognizes the permanent pool authorized by the 1976 Resolution and makes the operation of the permanent pool subject to the terms of the 1980 Operating Plan; and

WHEREAS, pursuant to a Water Management Agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association ("LAWMA"), LAWMA will allow use of its Highland Canal water rights located in District 17 upstream of JMR and diverting from the Purgatoire River as a source of water supply for the permanent pool; and

WHEREAS, the States of Colorado and Kansas have agreed to the delivery of fully consumable water from LAWMA's Highland Canal water rights under certain conditions ;

NOW THEREFORE, BE IT RESOLVED that pursuant to the terms of its 1976 Resolution the Arkansas River Compact Administration hereby approves the use of the Highland Canal water rights, formerly diverted from the Purgatoire River in District 17, as an additional source of water supply for the permanent pool at JMR so long as the States of Colorado and Kansas maintain a written agreement between them which allows such use and sets forth any applicable terms and conditions of that use.

ADOPTED by the Arkansas River Compact Administration at the Special Meeting held telephonically on February 14, 2019.

The effective date of this Resolution shall be the date on which the Chief of Engineers of the Corps of Engineers, or his duly authorized representative, concurs with this Resolution by signing and dating below in the space provided.

James J. Rizzuto — 2/15/2019

Jim Rizzuto, Chairman
Arkansas River Compact Administration

Date

Stephanie Gonzales — 2/21/2019

Stephanie Gonzales, Recording Secretary,
Arkansas River Compact Administration

Date

Concurrence

8 MAR 19

Lt. Col Dale Caswell, Jr.
Commander and District Engineer,
Albuquerque District, U.S. Army Corps of Engineers
Duly Authorized Representative of the Chief of Engineers,
U.S. Army Corps of Engineers

Date

Copy 1 of 4

MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR

This MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR ("Agreement") is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the "States").

WHEREAS, the Arkansas River Compact was entered into between the States and consented to by the United States in 1948 to equitably divide and apportion the waters of the Arkansas River and their utilization, among other purposes, between the States;

WHEREAS, the Flood Control Act of 1965 authorized a permanent pool for wildlife and recreation purposes at John Martin Reservoir ("Permanent Pool");

WHEREAS, various other acts by the States and by the Arkansas River Compact Administration ("ARCA") have recognized the authority for creating and operating the Permanent Pool;

WHEREAS, a ready source of water supply has not always been available to the State of Colorado for the Permanent Pool;

WHEREAS, the Highland Canal water rights ("Highland Canal Water") are an important source of water for the Offset Account at John Martin Reservoir;

WHEREAS, pursuant to a water management agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association ("LAWMA"), LAWMA will allow use of its Highland Canal Water, located in District 17 upstream of John Martin Reservoir and diverting from the Purgatoire River, as a source of water supply for the Permanent Pool; and

WHEREAS, for the mutual benefit of the States, the State of Colorado and the State of Kansas wish to authorize the delivery of Highland Canal Water into the Permanent Pool under the conditions contained in this Agreement.

NOW THEREFORE, BE IT AGREED,

1. Highland Canal Water may not be delivered to the Permanent Pool pursuant to this Agreement until ARCA approves the use of Highland Canal Water as a source of water for the Permanent Pool.
2. Each year that this Agreement is in effect, the State of Colorado and LAWMA agree to deliver an amount of fully consumable water ("Delivery Requirement") to the Offset Account in John Martin Reservoir between March 1st and November 15th, as determined each year pursuant to this Agreement.

3. This Agreement will be in effect during each calendar year that LAWMA delivers Highland Canal Water to the Permanent Pool and the terms and conditions of this Agreement will only apply at times when the Agreement is in effect.

4. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, an annual source analysis in the format shown in the file "LAWMA_SourceAnalysisForHighlandPermanentPool_EstimateV1.0" ("Annual Source Analysis") or a subsequent version as agreed to by the States pursuant to this Agreement. The Annual Source Analysis is hereby incorporated by reference. The Annual Source Analysis, LAWMA's Rule 14 Replacement Application, and LAWMA's Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This Annual Source Analysis will propose an Annual Target Amount and a Minimum Delivery Amount.

5. Water in the Kansas Charge subaccount and any non-consumable storage subaccounts in the Offset Account shall not be considered a part of the Annual Target Amount or Minimum Delivery Amount deliveries under this Agreement.

6. The March 1 Offset Account storage balance for the consumable subaccounts, with the exception of the Kansas Charge subaccount, will be used to determine a Minimum Delivery Amount as part of the Annual Source Analysis. If on March 1, the Offset Account storage balance is 4,000 acre-feet or less, the Minimum Delivery Amount will be 6,000 acre-feet. If on March 1, the Offset Account storage balance is between 4,001 acre-feet and 10,000 acre-feet, the Minimum Delivery Amount will be the difference between 10,000 acre-feet and Offset Account storage balance on March 1. If on March 1, the Offset Account storage balance is more than 10,000 acre-feet, the Minimum Delivery Amount will be zero. However, if the amount released by Kansas from the Offset Account during the prior calendar year for Stateline delivery was 2,000 acre-feet or less, the Minimum Delivery Amount as calculated above will be further reduced by 2,000 acre-feet or shall be zero, whichever is greater.

7. During the month of March each year the States shall confer with one another and LAWMA, and either accept or recommend modification of the values used in the Annual Source Analysis and determine the final values for the Annual Target Amount and the Minimum Delivery Amount. The Delivery Requirement will be the greater of Annual Target Amount or Minimum Delivery Amount and shall be set by agreement between the Assistant Operations Secretary and Operations Secretary acting on behalf of each State by March 31st of each year. If the States and LAWMA cannot reach agreement prior to March 31st in any year, Highland Canal Water will not be delivered to the Permanent Pool during that calendar year and none of the other requirements of this Agreement shall be in effect for that calendar year, unless otherwise agreed to in writing by the States and LAWMA.

8. Any agreement related to the values coming out of the Annual Source Analysis does not constitute agreement with LAWMA's underlying accounting.

9. This Agreement shall not prohibit deliveries to the Offset Account in excess of the Delivery Requirement, nor shall this Agreement limit the ability to deliver Highland Canal Water to the Offset Account.

10. At least two thirds of the Delivery Requirement shall be delivered to the Offset Account by July 1st.

11. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

> For _(month/year)_ there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.

12. In the case of a spill of the Offset Account, or if a spill of the Offset Account appears likely, any quantity of water required by this Agreement to be delivered to the Offset Account may be delayed for the purpose of avoiding a spill of such deliveries. The terms and conditions of any such delay shall be first proposed in writing by LAWMA. There shall be no allowable delay in delivery until such terms and conditions are approved in writing by the Chief Engineer of the State of Kansas.

13. LAWMA and the Colorado Division of Parks and Wildlife must obtain approval for a Substitute Water Supply Plan ("SWSP") pursuant to §37-92-308(4) or §37-92-308(5) of the Colorado Revised Statutes or obtain an applicable change of use decree from Colorado Water Court prior to delivery of Highland Canal Water to the Permanent Pool.

14. After ARCA has approved the use Highland Canal Water as a source of water for the Permanent Pool and upon receipt of an approved SWSP or Colorado Water Court approval, Highland Canal Water may be delivered to the Permanent Pool on a daily basis to the extent it is not needed to fulfill the commitment to the Offset Account pursuant to the terms of this Agreement.

15. Highland Canal Water shall not be delivered to the Permanent Pool in months when any portion of Highland Canal Water is used for in-state replacement.

16. Replacement credit will not be claimed as special water input to the H-I Model for the unconsumed transit losses incurred when Highland Canal Water is being delivered to the Permanent Pool. LAWMA may claim in-state replacement credit in the monthly accounting maintained by the State of Colorado for unconsumed transit losses allowed by either of the LAWMA decrees entered in Case Nos. 02CW181 and 10CW085, District Court, Water Division No. 2, State of Colorado, or an approved SWSP, provided that such claims do not exceed the allowable amounts contained in **Attachment A** (MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12).

17. LAWMA or the Colorado Division of Parks and Wildlife, through Colorado Division of Water Resources staff, shall notify the State of Kansas and the ARCA Operations Secretary prior to beginning delivery of Highland Canal Water to the Permanent Pool.

18. The ARCA Operations Secretary shall keep accurate records of all deliveries into the Permanent Pool, provide such information to the State of Kansas upon request, and include an annual summary of all Permanent Pool operations in the Operation Secretary's annual report to ARCA.

19. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.

20. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.

21. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.

22. The States agree to review at each ARCA Annual Meeting the terms of this Agreement and ensure they are being implemented as intended and with the desired effect, including whether any modification of the Agreement is necessary. The review shall be conducted by the Engineering Committee, unless otherwise assigned by ARCA, and the results shall be reported by the committee during its annual meeting report. The annual review may be waived if agreed to by both States.

23. Any proposed changes to the Annual Source Analysis, including any changes to the spreadsheet upon which the Annual Source Analysis is based, shall be considered during the ARCA Annual Meeting review of this Agreement. The States shall agree to any proposed changes by memorializing them in writing in a formal addendum that shall be attached to this Agreement. All approved changes shall take effect for the next Annual Source Analysis after approval by the States. Changes to the Annual Source Analysis shall not require approval by ARCA.

24. Following the annual review and ARCA Annual Meeting, this Agreement may be suspended by either State if notice is provided to ARCA and the other State by

January 15th of the calendar year in which the Agreement shall be suspended. Such notice shall be in writing and contain both a preliminary statement about why the Agreement has been suspended and any specific issues for discussion between the States. If the Agreement remains suspended for three consecutive years, then the Agreement shall terminate unless otherwise agreed upon in writing by the States.

25. All notices, reports, and other documents required by this Agreement may be delivered by email or any other electronic means acceptable to the States.

Kevin G. Rein, P.E.
Colorado State Engineer

David W. Barfield, P.E.
Kansas Chief Engineer

2 of 2 originals

MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12

This MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12 ("Agreement") is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the "States").

WHEREAS, the States have reached agreement on the use of the Lower Arkansas Water Management Association's ("LAWMA") Highland Canal water rights ("Highland Canal Water") for the Permanent Pool pursuant to the MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR ("Permanent Pool Agreement");

WHEREAS, Highland Canal Water is an important source of water for the Offset Account and Permanent Pool at John Martin Reservoir;

WHEREAS, the State of Kansas has raised outstanding issues regarding Highland Canal Water, based on LAWMA's change of water right decrees pursuant to Colorado Water Court, Case Nos. 2002CW181 and 2010CW85.

WHEREAS, the States have jointly developed a LAWMA Issues Matrix to identify the various issues that remain unresolved;

WHEREAS, the issues addressed by this Agreement are commonly known to the States in the LAWMA Issues Matrix as Issue Nos. 9 and 12;

WHEREAS, the State of Kansas has stated Issue No. 9 as "*LAWMA Decree should provide standards for determining the unconsumed portion of transit loss on deliveries of Highland Canal water to the Offset Account in John Martin Reservoir.*";

WHEREAS, the State of Kansas has stated Issue No. 12 as "*The LAWMA Decree should provide sufficient limits on the Highland Ditch credits, including proper volumetric limits, to prevent injury to Kansas.*"; and

WHEREAS, as a result of work on the Permanent Pool Agreement, the States have reached agreement on LAWMA Matrix Issues Nos. 9 and 12 raised by the State of Kansas regarding LAWMA's change of water right decrees.

NOW THEREFORE, BE IT AGREED,

1. Issue No. 9 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions consistent with **Attachment A** in all future LAWMA Plan Approvals.

2. Issue No. 12 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions consistent with **Attachment B** in all future LAWMA Plan Approvals.

3. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, the Annual Source Analysis pursuant to the Permanent Pool Agreement. The Annual Source Analysis, LAWMA's Rule 14 Replacement Application, and LAWMA's Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This shall be a continuing obligation independent of the status of the Permanent Pool Agreement.

4. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

   > For _(month/year)_ there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.

   This shall be a continuing obligation independent of the status of the Permanent Pool Agreement.

5. All terms contained in this Agreement shall remain in full force and effect regardless of the status of the Permanent Pool Agreement.

6. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.

7. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.

8. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.

Kevin G. Rein, P.E.
Colorado State Engineer

David W. Barfield, P.E.
Kansas Chief Engineer

1 of 2 originals

Attachment A

In determining the unconsumed transit loss credits claimed by LAWMA under the decrees in Case Nos. 02CW181 and 10CW085 or any approved Substitute Water Supply Plan for in-state replacement credit in the monthly accounting maintained by the State of Colorado, the following procedure shall be applied: For Purgatoire River flows in the range of 1 cfs to 12 cfs, a factor ranging from 55% to 60% shall be applied pro-rata by flow; for flows between 12 cfs and 25 cfs a factor ranging from 60% to 75% shall be applied pro-rata by flow; for flows between 25 cfs and 40 cfs a factor ranging from 75% to 80% shall be applied pro-rata by flow; for flows above 40 cfs a factor of 80% shall be applied. The unconsumed transit loss credit shall be limited to that amount delivered to the Arkansas River after deducting the historical return flow obligation and the consumable credit to be delivered to the Offset Account or Permanent Pool.

Attachment B

Volumetric Limits for the Highland Canal shares changed in Case No. 02CW181 Paragraph 28.G:

The volumetric limits for the Highland Canal water rights are based upon river headgate diversions and diversions shall be calculated and measured as set forth in Sections 28.A. and B. of this Decree to apply the volumetric limits. LAWMA will limit the river headgate diversions for the Highland Canal water rights during April 2 through October 31 to a cumulative amount of 136,120 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be diverted in the first ten years after entry of this Decree, to a maximum of 12,257 acre-feet during April 2 through October 31 of any year and to the following maximum and cumulative monthly amounts:

MONTH	April	May	June	July	August	September	October
MAXIMUM AMOUNT (acre-feet)	1,445	1,854	2,172	2,369	2,570	1,996	1,142
CUMULATIVE AMOUNT IN ANY TWENTY YEAR PERIOD (acre-feet)	14,802	18,769	24,096	25,356	32,316	19,680	11,196

Volumetric Limits for the Highland Canal shares changed in Case No. 10CW085 Paragraph 28.G:

The volumetric limits for the Highland Canal water rights are based upon bypassed river headgate diversions attributable to LAWMA's interest in the Highland Canal water rights described in paragraph 8.C.vii above and shall be calculated and measured as set forth in paragraphs 17.A. and B. of this Decree to apply the volumetric limits. LAWMA shall limit the bypassed river headgate diversions for the Highland Canal water rights during April 1 through October 31 to a cumulative amount of 6,682 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be diverted in the first ten years after entry of this Decree. LAWMA shall also limit bypassed river headgate diversions for the Highland Canal water rights to a maximum of 602 acre-feet during April 1 through October 31 of any year and to the following maximum and cumulative monthly amounts:

MONTH	April	May	June	July	August	September	October
MAXIMUM AMOUNT (acre-feet)	71	91	107	116	126	98	56
CUMULATIVE AMOUNT IN ANY TWENTY YEAR PERIOD (acre-feet)	727	921	1,183	1,245	1,586	966	550

No more than one-half of each monthly cumulative twenty-year limit set forth in the above-table will be diverted in the first ten years after entry of this Decree. Additionally, LAWMA shall limit the bypassed river headgate diversions for the Highland Canal water rights Priority Nos. 27 and 97 during April 1 through October 31 to a cumulative amount of 6,243 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be claimed as a bypassed diversion in the first ten years after entry of this Decree.

TABLE 1

PERTINENT DATA FOR JOHN MARTIN RESERVOIR AND THE HIGHLAND CANAL WATER RIGHTS

(values in ac-ft)

		Historical Data									
		Permanent Pool				JMR					
Year		Inflows	Evap	Spills	EOY Contents	Evap	EOY Contents	02CW181 Highland Direct Flow Div.	10CW85 Highland Direct Flow Div	Days in Cons. Storage	Days JMR Spill
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1980		10,397	1,768	394	8,235	20,564	35,395	6,839	336	271	0
1981		31	2,705	0	5,561	14,958	13,713	7,889	387	201	0
1982		126	2,313	0	3,374	11,516	12,241	7,337	360	195	0
1983		11,527	1,524	0	13,377	26,457	67,444	10,775	529	286	0
1984		2,201	2,367	0	13,210	32,303	204,908	7,636	375	283	0
1985		46	1,664	2,432	9,160	49,891	280,952	8,824	433	310	7
1986		198	1,540	0	7,818	44,881	226,308	7,084	348	206	0
1987		2,588	1,028	0	9,377	55,787	246,368	10,448	513	365	94
1988		0	1,740	205	7,433	40,127	78,984	8,284	407	189	0
1989		0	1,980	0	5,453	20,733	27,407	2,465	121	172	0
1990		1,198	1,842	0	4,808	15,457	17,589	4,490	220	174	0
1991		79	2,119	0	2,768	12,654	8,387	4,495	221	168	0
1992		0	1,017	0	1,751	13,327	13,285	6,920	340	172	0
1993		8,031	1,319	0	8,462	17,895	41,275	7,565	371	178	0
1994		7,747	3,018	0	13,191	25,358	65,255	8,137	399	188	0
1995		131	2,013	1,840	9,469	40,842	257,884	7,768	381	336	36
1996		884	1,633	0	8,721	45,491	230,535	6,297	309	231	0
1997		258	1,416	0	7,562	48,626	296,068	9,016	443	280	0
1998		2,796	1,318	0	9,040	54,700	242,531	9,004	442	310	134
1999		834	948	0	8,925	54,721	326,210	577	28	363	84
2000		-48	1,663	0	7,215	50,873	110,993	5,339	262	211	43
2001		200	1,644	0	5,770	29,802	49,461	4,120	202	179	0
2002		0	2,082	0	3,688	20,345	21,396	2,910	143	162	0
2003		0	1,594	0	2,093	15,962	19,250	5,323	261	163	0
2004		1,040	1,261	0	1,873	9,600	16,632	5,517	271	165	0
2005		498	1,074	4	1,293	14,544	8,464	14,105	692	183	0
2006		0	724	0	569	10,262	5,701	4,585	225	167	0
2007		7,683	993	0	7,983	16,909	23,888	15,665	769	186	0
2008		3,876	3,777	0	8,082	17,387	35,418	8,042	395	175	0
2009		2,956	2,664	0	8,374	16,168	25,614	8,297	407	173	0
2010		4,608	3,256	0	9,002	18,239	26,584	10,912	536	181	0
2011		764	4,731	0	5,035	15,349	9,449	2,258	111	167	0
2012		3,641	3,824	0	4,851	15,325	15,995	2,255	111	164	0
2013		474	2,478	0	2,847	14,341	19,014	5,081	249	167	0
2014		197	1,544	0	1,515	15,353	6,193	5,885	289	169	0
Average		2,142	1,960	139	6,511	26,478	88,195	6,918	340	214	11
Maximum		11,527	4,731	2,432	13,377	55,787	326,210	15,665	769	365	134
Minimum		-48	724	0	569	9,600	5,701	577	28	162	0

Note: Negative value in 2000 due to recalibration of the storage area capacity table. All accounts were adjusted.

Column Explanations:

1) November to October Water Year
2) Intentionally left blank.
3) Historical inflows to permanent pool which includes purchased trans-mountain water and water stored from Muddy Creek water right.
4) Historical evaporation from the permanent pool.
5) Historical spills from the permanent pool.
6) Historical end of the year, October 31contents of the permanent pool. Permanent pool was empty entering water year 1980.
7) Historical evaporation on the entire contents of John Martin Reservoir.
8) Historical end of the year, October 31 contents of John Martin Reservoir.
9) Historical direct flow diversions for the 02CW181 Highland Canal Water Rights as compiled by the Division 2 Engineer's staff.
10) Historical direct flow diversions for the 10CW85 Highland Canal Water Rights as compiled by the Division 2 Engineer's staff.
11) The number days water was stored in the Summer or Winter Conservation Storage Accounts.
12) Number of days water was transferred into the Flood Pool account to be released for spills.

Sources:

a) The historical data were taken from the John Martin Reservoir Daily Operations databases: Files - JM_Archive7901.mdb and JohnMartinArchive2001-2003.mdb and annual tbldata.mdb as provided by the Colorado Division of Water Resources - Division 2.
b) Highland Direct Flow Diversions: CDSS data and LAWMA monthly accounting

Table 2
PROPOSED OPERATION OF THE PERMANENT POOL IN JOHN MARTIN RESERVOIR USING THE 02CW181 HIGHLAND WATER RIGHTS TO REPLACE EVAPORATION
(values in ac-ft)

	Operational Scenario								
						Permanent Pool			
Year	Total Highland CU Water	CPW Center Farm CU Delivered	2015 CPW Structures Augmented	Water Management Fee (15%)	Maximum available to CPW	Evap Loss	Spill	Highland CU Water Inflow	EOY Contents
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1980	3,576	3,350	227	502	2,621	1,814	0	1,317	14,249
1981	4,574	4,317	257	648	3,413	2,369	0	2,094	11,300
1982	4,389	4,143	245	621	3,276	2,881	0	1,964	8,197
1983	5,680	5,319	362	798	4,159	1,404	0	2,245	15,000
1984	4,037	3,775	263	566	2,946	998	0	0	15,000
1985	4,623	4,340	282	651	3,407	793	0	1,958	14,969
1986	4,510	4,272	238	641	3,393	1,164	0	2,459	14,943
1987	5,443	5,095	348	764	3,982	1,196	0	713	15,000
1988	4,141	3,879	262	582	3,034	1,430	0	2,245	14,890
1989	1,106	1,027	79	154	794	2,143	0	1,017	11,764
1990	2,607	2,465	142	370	1,952	2,341	0	2,199	10,997
1991	2,546	2,393	152	359	1,882	3,269	0	2,254	7,941
1992	4,198	3,975	223	596	3,155	2,581	0	3,081	7,425
1993	4,966	4,717	249	708	3,761	1,809	0	2,883	15,000
1994	4,972	4,713	259	707	3,747	1,807	0	1,302	15,000
1995	3,464	3,216	247	482	2,487	1,130	0	407	14,969
1996	4,205	3,997	208	600	3,189	1,094	0	1,792	14,938
1997	4,258	3,971	287	596	3,089	1,184	0	2,392	14,968
1998	5,991	5,705	286	856	4,564	1,238	0	0	15,000
1999	430	408	22	61	325	946	0	394	14,561
2000	3,282	3,120	162	468	2,490	1,431	0	3,120	14,539
2001	2,781	2,645	136	397	2,112	1,758	0	706	12,042
2002	1,878	1,784	94	268	1,422	2,392	0	525	8,092
2003	3,391	3,223	169	483	2,571	2,281	0	1,006	5,223
2004	3,803	3,617	186	543	2,889	2,397	0	2,054	4,660
2005	9,395	8,944	451	1,342	7,151	2,275	0	2,252	4,058
2006	2,909	2,767	143	415	2,209	2,209	0	2,752	3,877
2007	10,697	10,185	512	1,528	8,145	1,538	0	2,646	12,399
2008	5,062	4,813	249	722	3,843	2,021	0	2,171	12,647
2009	5,172	4,920	252	738	3,930	1,582	0	2,433	13,790
2010	7,765	7,395	370	1,109	5,916	2,181	0	2,331	14,568
2011	1,522	1,442	80	216	1,146	3,234	0	1,437	8,804
2012	1,196	1,133	63	170	900	1,967	0	555	7,209
2013	3,432	3,262	171	489	2,602	1,414	0	1,345	5,136
2014	3,788	3,597	191	540	2,866	1,845	0	2,014	3,972
Average	3,811	3,592	219	539	2,835	1,703	0	1,612	13,081
Maximum	5,991	5,705	362	856	4,564	3,269	0	3,120	15,000
Minimum	430	408	22	61	325	793	0	0	7,425

Note: The operation study was performed on a daily time step and the results summarized annually. This operation study does not include temporary leases of Colorado Parks and Wildlife Lamar Canal shares to non-CPW structures within the LAWMA Augmentation plan.

Column Explanations:

1) November to October Water Year
2) Highland Canal consumptive use water from the Highland Canal water rights changed in 02CW181 & 10CW85 limited to 1) April through October and 2) to maximum monthly, maximum annual, and 20-year cumulative total volumetric limits.
3) Lamar Canal consumptive use deliveries through the Center Farm augmentation station for the Colorado Parks and Wildlife's 4.720 Lamar Canal shares changed in Case No. 02CW181.
4) Colorado Parks and Wildlife structures currently being augmented in LAWMA augmentation plan.
5) Water management fee calculated as Column 6 x 15%.
6) Maximum consumptive use water available to Colorado Parks and Wildlife. Calculated as the minimum of Column 2 and Column 4 minus the sum of Columns 4 through 5.
7) Calculated on a daily basis as previous end of day's contents multiplied by total John Martin Reservoir evaporation divided by end of day's John Martin Reservoir contents.
8) If John Martin Reservoir spills then Permanent Pool account spills when the account is over 10,000 acre-feet. The account doesn't spill if the Permanent Pool is less than 10,000 acre-feet.
9) Consumptive use credits delivered to the Permanent Pool when the reservoir is not spilling and the contents of the Permanent Pool have not exceeded 15,000 acre-feet. This does not include trans-mountain water right.
10) End of year contents of the Permanent Pool calculated as Previous Column 10 - Column 7 - Column 8 + Column 9.

Enclosure 4

Water Court Application or Change of Use of Highland Canal Water Right in the Permanent Pool

DISTRICT COURT, WATER DIVISION NO. 2, COLORADO 501 North Elizabeth Street Pueblo, Colorado 81003	DATE FILED: April 16, 2020 11:48 AM FILING ID: C60ADC88D15F7 CASE NUMBER: 2020CW3015
CONCERNING THE APPLICATION FOR WATER RIGHTS OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION IN BENT AND PROWERS COUNTIES	▲ **COURT USE ONLY** ▲ Case Number: 2020CW____
Richard J. Mehren, #32231 Jennifer M. DiLalla, #40319 John E. Peckler, #51559 Moses, Wittemyer, Harrison and Woodruff, P.C. 2595 Canyon Blvd., Suite 300 Boulder, Colorado 80302 Telephone: (303) 443-8782 Facsimile: (303) 443-8796 rmehren@mwhw.com; jdilalla@mwhw.com; jpeckler@mwhw.com	

APPLICATION FOR CHANGE OF WATER RIGHTS

1. Name, address, telephone number, and email address of Applicant:

   Lower Arkansas Water Management Association ("LAWMA")
   c/o Donald F. Higbee, Manager
   310 South 6th Street
   P. O. Box 1161
   Lamar, Colorado 81052
   (719) 336-9696
   lawma@cminet.net

2. Overview and background: LAWMA seeks to change its interest in the water rights decreed to the Highland Canal to include storage and in-reservoir use in the John Martin Reservoir Permanent Pool, which the State of Colorado uses for fish and wildlife and recreation purposes. Under the August 14, 1976 Resolution Concerning John Martin Reservoir Permanent Pool, water deliveries from other valid water rights owned or controlled by the State of Colorado may be added to the permanent pool water supply subject to the approval of the Arkansas River Compact Administration ("ARCA"). On February 14, 2019, ARCA adopted its Resolution No. 2019-01 Regarding John Martin

Reservoir Permanent Pool ("ARCA Approval"), approving the use of LAWMA's Highland Canal water rights to supply the Permanent Pool "so long as the States of Colorado and Kansas maintain a written agreement between them which allows such use and sets forth any applicable terms and conditions of that use." The ARCA Approval is attached as **Exhibit A**. On February 21, 2019, Colorado and Kansas entered into a memorandum of agreement regarding terms and conditions for use of LAWMA's Highland Canal water rights to supply the Permanent Pool ("Colorado-Kansas Agreement"). The Colorado-Kansas Agreement is attached as **Exhibit B**.

3. Decreed water rights for which change is sought:

3.1 Structure: Highland Canal (a/k/a Highland Irrigation District Canal) (WDID 1700615).

3.2 Original and all relevant subsequent decrees:

3.2.1 August 10, 1903, unnumbered adjudication titled "In the Matter of the Adjudication of Priorities of Right to the Use of Water in Water District No. 19," in the District Court for Las Animas County (Priority Nos. 27 and 97).

3.2.2 August 30, 1922, unnumbered adjudication titled "In the Matter of the Adjudication of Water Rights and Priorities to the Use of Water in Water District No. 17, Colorado," in the District Court for Bent County (Priority No. 120).

3.2.3 November 11, 1910, unnumbered adjudication titled "In the Matter of the Priorities of Right to Use of Water in Water District No. 17, in the State of Colorado, and Particularly in the Matter of the Petition of the Highland Irrigation District for Change in Point of Diversion of Priorities," in the District Court for Bent County (transferred Priority Nos. 27 and 97 to the Highland Canal).

3.2.4 March 2, 2007, Case No. 02CW181, District Court, Water Division No. 2 (changed the use of 14.86 cfs of Priority No. 27; 6.62 cfs of Priority No. 97; and 34.47 cfs of Priority No. 120) ("02CW181 Highland Water Rights").

3.2.5 January 27, 2014, Case No. 10CW085, District Court, Water Division No. 2 (changed the use of 0.73 cfs of Priority No. 27; 0.33 cfs of Priority No. 97; and 1.69 cfs of Priority No. 120) ("10CW85 Highland Water Rights").

3.3 Legal description of structure as described in most recent decree that adjudicated the location: At a point in the County of Bent, State of Colorado, on the West bank of the Purgatoire or Las Animas River, whence the Southwest corner of Section 1, T25S, R53W of the 6th P.M., bears South 38°45' West 2,395 feet, as shown on the map attached as **Exhibit C**.

3.4 Source: Purgatoire or Las Animas River.

3.5 Appropriation dates: May 31, 1866 (Priority No. 27); April 1, 1884 (Priority No. 97); March 1, 1909 (Priority No. 120).

3.6 Total amounts decreed to structure (all absolute): 16.6 cfs (Priority No. 27); 7.4 cfs (Priority No. 97); 38.5 cfs (Priority No. 120).

3.7 Decreed uses:

3.7.1 02CW181 Highland Water Rights: Agricultural irrigation and augmentation or replacement of depletions in the Arkansas River or its tributaries caused by the structures included in LAWMA's plan for augmentation originally decreed in Case No. 02CW181 ("Augmentation Plan") and caused by the wells included in LAWMA's annual replacement plan approved by the Colorado State Engineer pursuant to the Arkansas River Use Rules.

3.7.2 10CW85 Highland Water Rights: All of the uses described in paragraph 3.7.1 above; and augmentation or replacement of depletions in the Arkansas River or its tributaries caused by any improvement to a surface water irrigation system included in any return flow maintenance plan approved by the Colorado State Engineer pursuant to the Compact Rules Governing Improvements to Surface Water Irrigation Systems in the Arkansas River Basin in Colorado, effective January 1, 2011.

3.7.3 Storage in John Martin Reservoir Offset Account: The 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights may be stored in the John Martin Reservoir Offset Account, created by the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping, as amended March 30, 1998. John Martin Reservoir (WDID 6703512) is located in all or portions of Sections 24, 25, 26, 27, 33, 34, 35, and 36, T22S, R51W; Sections 28, 29, 30, 31, 32, 33, 34, and 35, T22S, R50W; Sections 5, 6, 7, 8, 17, and 18, T23S, R49W; Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, and 30, T23S, R50W; Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 17, and 18, T23S,

R51W; and Sections 1, 12, and 13, T23S, R52W; all of the 6th P.M., in Bent County, Colorado, as shown on **Exhibit C**.

3.8 Amount to be changed: 15.59 cfs of Priority No. 27; 6.95 cfs of Priority No. 97; 36.16 cfs of Priority No. 120 (i.e., the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights).

4. Detailed description of proposed change: LAWMA seeks a subsequent change of the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights, for both of which the Court previously quantified historical consumptive use, to include storage and in-reservoir use in the John Martin Reservoir Permanent Pool.

4.1 Approximate historical location of use and proposed place of use: The map attached as **Exhibit C** shows the approximate historical location of use of the 02CW181 Highland Water Rights following entry of the decree in Case No. 02CW181; the approximate historical location of use of the 10CW85 Highland Water Rights following entry of the decree in Case No. 10CW85; and the proposed place of use in the Permanent Pool.

4.2 Records or summaries of records of actual diversions of each water right: Not applicable, because the court quantified the historical consumptive use of the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights in Case Nos. 02CW181 and 10CW85, respectively. C.R.S. § 37-92-305(3)(e).

4.3 New types of use: Fish and wildlife, recreation, and replacement of evaporative losses by virtue of storage in the Permanent Pool; all in addition to the existing uses decreed to the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights.

4.4 New manner of storage: Storage in the Permanent Pool, which is located within the high-water line of John Martin Reservoir as described in paragraph 3.7.3 above; in addition to the existing manner of storage decreed to the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights.

4.5 No other modification of prior change decrees: Except as expressly provided above, LAWMA seeks no other change to the terms and conditions included in the decrees entered in Case Nos. 02CW181 and 10CW085.

5. Names and addresses of owners or reputed owners of land upon which any new diversion or storage structure, or modification to any existing diversion or storage structure, is or will be constructed or upon which water is or will be stored, including any modification to the existing storage pool:

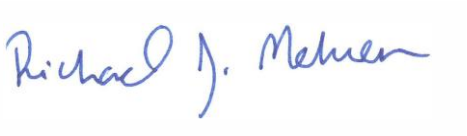
5.1 U.S. Army Corps of Engineers, Reservoir Manager, 29955 County Road 25.75, Hasty, CO 81044

5.2 Caddoa Sands LLC, 2010 Fox Mountain Point, Colorado Springs, CO 80906.

WHEREFORE, LAWMA respectfully requests that this Court enter a decree approving this Application for Change of Water Rights and granting all such other and further relief, whether legal or equitable, as the Court may determine necessary or desirable.

Respectfully submitted this **16th** day of April, 2020.

MOSES, WITTEMYER, HARRISON AND WOODRUFF, P.C.



Richard J. Mehren, #32231
Jennifer M. DiLalla, #40319
John E. Peckler, #51559

ATTORNEYS FOR APPLICANT, LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION

E-filed per C.R.C.P. 121 § 1-26 via Colorado Courts E-Filing Service.
A printed or printable copy of this document bearing the original, electronic, or scanned signature(s) is on file at the offices of Moses, Wittemyer, Harrison and Woodruff, P.C.

VERIFICATION AND ACKNOWLEDGMENT OF APPLICANT OR OTHER PERSON HAVING KNOWLEDGE OF THE FACTS STATED IN THIS APPLICATION FOR CHANGE OF WATER RIGHTS

Being first duly sworn, I hereby state that I have read this Application, that I have personal knowledge of the facts stated, and that I verify the Application's contents to the best of my knowledge, information, and belief.

Donald F. Higbee

Date: 4-6-20

The foregoing instrument was acknowledged before me in the County of Prowers, State of Colorado, this 6th day of April, 2020, by the person whose signature appears above.

ANGELA HIGBEE
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20074046402
MY COMMISSION EXPIRES DECEMBER 20, 2023

Angela Higbee, Notary Public

My Commission Expires: December 20, 2023

The person signing this verification is the Manager of Lower Arkansas Water Management Association.

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

November 29, 2021

Mr. Earl D. Lewis Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Subject: Notice of Releases of Offset Account Water from John Martin Reservoir

Dear Mr. Lewis:

The purpose of this letter is to provide accounting for a release of water from the Offset Account in John Martin Reservoir for delivery to the Stateline as called for by the Kansas Chief Engineer in accordance with the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"), the Stipulation Re Offset Account in John Martin Reservoir dated March 17, 1997 ("Stipulation") and the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, dated September 2005.

Release #1

Staff for the Kansas Chief Engineer requested an initial release of water from the Offset Account beginning on June 19, 2021 at the rate of 250 cfs out of the Offset Account, which increased to 315 cfs on June 22, 2021. (This was part of a combined release with Section II water being released at the same time starting on July 4, 2021 at a rate of 315 cfs). The overall release began initially on June 19, 2021 as a release of Kansas Charge subaccount water only. This stepped release from the Offset Account was executed in the following manner: June 16 – June 21, 2021: 250 cfs, June 22 – June 29, 2021: 315 cfs, June 29 – July 3, 2021: 290 cfs, July 4, 2021: 115.6 cfs, July 5, 2021: 20 cfs, July 6, 2021: 8.48 cfs, July 7, 2021: 7.8 cfs. July 5 – July 7, 2021 was releasing what was being delivered to the Offset Account on a daily basis. The Offset Account portion of the release began at approximately 15:00 hours, June 19, 2021 and ended at approximately 24:00 hours on July 7, 2021. Transit losses on the release of water from the Offset Account were determined using the procedure described in the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, dated September 2005.

Enclosure 1 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping and was 6,146 acre-feet of consumable water at the stateline.

Release #2

Staff for the Kansas Chief Engineer requested another release of water from the Offset Account beginning on July 9, 2021 at the rate at which water was being delivered. The Offset Account portion of the release began at approximately 9:00 hours, July 9, 2021 and ended at approximately 21:30 hours on August 7, 2021. Transit losses on the release of water from the Offset Account were determined using the procedure described in the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, dated September 2005.

Enclosure 2 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping and was 993 acre-feet of consumable water at the stateline.

Enclosure 3 shows the quantities of water that were in the various subaccounts of the Offset Account prior to the initiation of the releases, during the releases, and following the release of all water from the account.

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

Sincerely,

Bill W. Tyner

Bill W. Tyner, P.E.
Division Engineer, Division 2
Colorado Division of Water Resources

3 Enclosures

Ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Don Higbee
Rachel Zancanella
John Van Oort
Bethany Arnold

Enclosure 1
Kansas Release #1 Crediting Spreadsheet

Data Input Sheet for Section II/Offset Account Delivery June-July 2021

Type of Release	C	Start Time	3:00 PM	Rate	288	Did any other release occur within			
Release Start Date	6/18/2021	Offset Release Start Date	6/18/2021			ten days prior to this release?	No		
Release End Date	7/7/2021	Offset Release End Date	7/7/2021			If yes, enter Antecedent Flow from Prior Release >			
Ending Hour	9:30 AM	Enter Cumulative Evap Credit AF			0.00	If yes, enter Granada Antecedent Flow from Prior Release >			

	Gage Data					Release Amounts					
	Stateline Flow Data		Intermediate Gage Data			Offset Account		Offset Account Release	Kansas Section II	Transit Loss	Total
Date	Coolidge (cfs)	Frontier (cfs)	Below JMR (cfs)	Lamar (cfs)	Granada (cfs)	Consumable (af)	All Other (af)		(af)	(af)	(af)
5/30/2021	110.2	0.0	558.1	459.7	63.7			0.0			0.0
5/31/2021	238.5	0.0	564.8	226.5	382.5			0.0			0.0
6/1/2021	284.0	0.0	540.6	106.2	189.8			0.0			0.0
6/2/2021	216.0	0.0	461.0	73.3	148.8			0.0			0.0
6/3/2021	187.4	0.0	447.8	23.1	112.3			0.0			0.0
6/4/2021	163.3	0.0	488.5	17.1	78.2			0.0			0.0
6/5/2021	137.1	0.0	520.3	15.1	64.8			0.0			0.0
6/6/2021	118.2	0.0	530.9	16.5	55.5			0.0			0.0
6/7/2021	110.5	0.0	531.8	23.0	61.2			0.0			0.0
6/8/2021	109.3	0.0	532.5	13.8	43.7			0.0			0.0
6/9/2021	109.7	0.0	526.0	14.7	28.4			0.0			0.0
6/10/2021	94.8	0.0	509.5	13.4	25.5			0.0			0.0
6/11/2021	86.8	0.0	508.4	12.9	18.1			0.0			0.0
6/12/2021	72.8	0.0	517.9	12.6	12.4			0.0			0.0
6/13/2021	65.6	0.0	518.0	12.4	10.7			0.0			0.0
6/14/2021	63.5	0.0	528.5	12.2	7.4			0.0			0.0
6/15/2021	58.7	0.0	561.0	13.1	6.8			0.0			0.0
6/16/2021	53.1	0.0	600.8	25.3	6.5			0.0			0.0
6/17/2021	52.3	0.0	614.6	61.6	7.8			0.0			0.0
6/18/2021	54.0	0.0	700.2	79.5	13.9		186.0	185.96			186.0
6/19/2021	57.2	0.0	864.2	222.9	34.6	5.3	490.5	495.88			495.9
6/20/2021	70.3	0.0	859.6	268.8	117.6	495.9		495.88			495.9
6/21/2021	124.9	0.0	856.0	279.5	162.1	495.9		495.88			495.9
6/22/2021	161.6	0.0	891.4	283.2	172.9	565.7		565.71			565.7
6/23/2021	159.6	0.0	921.7	339.3	187.6	624.8		624.80			624.8
6/24/2021	165.7	24.2	913.8	335.6	216.5	624.8		624.80			624.8
6/25/2021	168.4	37.8	914.0	345.8	254.9	624.8		624.80			624.8
6/26/2021	181.8	38.7	911.4	358.7	271.3	624.8		624.80			624.8
6/27/2021	188.9	38.9	910.7	366.2	281.2	341.6	283.3	624.80			624.8
6/28/2021	204.5	39.8	909.7	371.5	288.4	182.6	442.2	624.80			624.8
6/29/2021	214.5	40.4	905.9	372.7	294.7	505.5	119.3	624.80			624.8
6/30/2021	224.8	40.4	871.7	369.1	300.4	591.8		591.75			591.8
7/1/2021	230.1	36.8	883.6	324.4	287.6	575.2		575.22			575.2
7/2/2021	225.8	34.7	919.4	322.7	275.4	575.2		575.22			575.2
7/3/2021	228.5	33.8	921.0	324.8	280.3	575.2		575.22			575.2
7/4/2021	239.3	33.4	1009.6	350.5	310.7	229.3		229.29	306.3	39.7	575.2
7/5/2021	332.0	34.2	1060.8	343.8	402.3	39.9		39.94	495.6	39.7	575.2
7/6/2021	335.6	34.1	952.5	338.0	345.8	16.8		16.83	518.7	39.7	575.2
7/7/2021	346.1	15.1	690.7	327.6	331.4	15.5		15.53	196.5	24.0	236.0
7/8/2021	334.7	0.4	564.6	170.0	267.7			0.00			0.0
7/9/2021	275.7	0.4	759.4	135.4	166.6			0.00			0.0
7/10/2021	219.3	2.4	873.8	293.7	197.9			0.00			0.0
7/11/2021	239.7	6.8	873.1	303.6	267.6			0.00			0.0
7/12/2021	262.8	4.0	908.0	317.8	278.3			0.00			0.0
7/13/2021	271.1	3.5	925.4	349.0	295.9			0.00			0.0
7/14/2021								0.00			0.0
7/15/2021								0.00			0.0
7/16/2021								0.00			0.0
7/17/2021								0.00			0.0
7/18/2021								0.00			0.0

Data Input Sheet for Section II/Offset Account Delivery June-July 2017

Date	Gage Data					Release Amounts					
	Stateline Flow Data		Intermediate Gage Data			Offset Account		Offset Account Release	Kansas Section II	Transit Loss	Total
	Coolidge (cfs)	Frontier (cfs)	Below JMR (cfs)	Lamar (cfs)	Granada (cfs)	Consumable (af)	All Other (af)		(af)	(af)	(af)
7/19/2021								0.00			0.0
7/20/2021								0.00			0.0
7/21/2021								0.00			0.0
7/22/2021								0.00			0.0
7/23/2021								0.00			0.0
7/24/2021								0.00			0.0
7/25/2021								0.00			0.0
7/26/2021								0.00			0.0
7/27/2021								0.00			0.0
7/28/2021								0.00			0.0
7/29/2021								0.00			0.0
7/30/2021								0.00			0.0
7/31/2021								0.00			0.0
8/1/2021								0.0			0.0
8/2/2021								0.0			0.0
8/3/2021								0.0			0.0
8/4/2021								0.0			0.0
8/5/2021								0.0			0.0
8/6/2021								0.0			0.0
8/7/2021								0.0			0.0
8/8/2021								0.0			0.0
8/9/2021								0.0			0.0
8/10/2021								0.0			0.0
8/11/2021								0.0			0.0
8/12/2021								0.0			0.0

Summary of Key Information for Section II - Offset Delivery June-July 2017

10/11/2021

Date	Flow Data: Mean Daily Stateline (SL) Flow	Flow Data: Mean Daily Stateline (SL) Flow	Flow Data: SL flow less antecedent flow	Release Data: Offset Consumable Release	Release Data: Offset Non-Consumable Release	Release Data: Section 2 Release	Release Data: Transit Loss Release	Muskingum routing: Total Release	Muskingum routing: Total Release Times 1.05	Muskingum routing: Routed release	Muskingum routing: Routed release, lagged one day	Delivery Calculations: Stateline Delivery Hydrograph	Delivery Calculations: Equivalent Stateline Flow Hydrograph
			71.0										
	CFS	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
5/30/2021	110	219	148	0	0	0	0	0	0	0	0	0	0
5/31/2021	238	473	402	0	0	0	0	0	0	0	0	0	0
6/1/2021	284	563	492	0	0	0	0	0	0	0	0	0	0
6/2/2021	216	428	357	0	0	0	0	0	0	0	0	0	0
6/3/2021	187	372	301	0	0	0	0	0	0	0	0	0	0
6/4/2021	163	324	253	0	0	0	0	0	0	0	0	0	0
6/5/2021	137	272	201	0	0	0	0	0	0	0	0	0	0
6/6/2021	118	234	163	0	0	0	0	0	0	0	0	0	0
6/7/2021	110	219	148	0	0	0	0	0	0	0	0	0	0
6/8/2021	109	217	146	0	0	0	0	0	0	0	0	0	0
6/9/2021	110	218	147	0	0	0	0	0	0	0	0	0	0
6/10/2021	95	188	117	0	0	0	0	0	0	0	0	0	0
6/11/2021	87	172	101	0	0	0	0	0	0	0	0	0	0
6/12/2021	73	144	73	0	0	0	0	0	0	0	0	0	0
6/13/2021	66	130	59	0	0	0	0	0	0	0	0	0	0
6/14/2021	63	126	55	0	0	0	0	0	0	0	0	0	0
6/15/2021	59	116	45	0	0	0	0	0	0	0	0	0	0
6/16/2021	53	105	34	0	0	0	0	0	0	0	0	0	0
6/17/2021	52	104	33	0	0	0	0	0	0	0	0	0	0
6/18/2021	54	107	36	0	186	0	0	186	195	9	0	0	0
6/19/2021	57	113	42	5	491	0	0	496	521	96	9	9	9
6/20/2021	70	139	68	496	0	0	0	496	521	258	96	68	96
6/21/2021	125	248	177	496	0	0	0	496	521	358	258	177	248
6/22/2021	162	321	250	566	0	0	0	566	594	423	358	250	321
6/23/2021	160	317	246	625	0	0	0	625	656	491	423	246	317
6/24/2021	190	377	306	625	0	0	0	625	656	554	491	306	377
6/25/2021	206	409	338	625	0	0	0	625	656	593	554	338	409
6/26/2021	221	437	366	625	0	0	0	625	656	617	593	366	437
6/27/2021	228	452	381	342	283	0	0	625	656	632	617	381	452
6/28/2021	244	485	414	183	442	0	0	625	656	641	632	414	485
6/29/2021	255	506	435	506	119	0	0	625	656	647	641	435	506
6/30/2021	265	526	455	592	0	0	0	592	621	649	647	455	526
7/1/2021	267	530	458	575	0	0	0	575	604	637	649	458	530
7/2/2021	261	517	446	575	0	0	0	575	604	625	637	446	517
7/3/2021	262	520	449	575	0	0	0	575	604	617	625	449	520
7/4/2021	273	541	470	229	0	306	40	536	562	610	617	470	541
7/5/2021	366	726	655	40	0	496	40	536	562	592	610	610	610
7/6/2021	370	733	662	17	0	519	40	536	562	581	592	592	592
7/7/2021	361	716	645	16	0	196	24	212	223	557	581	581	581
7/8/2021	335	665	594	0	0	0	0	0	0	419	557	557	557
7/9/2021	276	548	477	0	0	0	0	0	0	260	419	419	419
7/10/2021	222	440	369	0	0	0	0	0	0	161	260	260	260
7/11/2021	246	489	418	0	0	0	0	0	0	99	161	161	161
7/12/2021	267	529	458	0	0	0	0	0	0	62	99	99	99
7/13/2021	275	545	474	0	0	0	0	0	0	0	23	23	23
7/14/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/15/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/16/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/17/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/18/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/19/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/20/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/21/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
7/22/2021	0	0	0	0	0	0	0	0	0	0	0	0	0
			Totals	7711	1521	1517	143	10749	11286	11186	11148	8568	9590

Antecedent Flow Calculations

Initial Average=	130.67		
NO	1		
NO	2		
NO	3		
YES	4		
YES	5		
YES	6		
YES	9		
YES	10		
YES	8		
YES	7		
Adjusted Average	119.00	833.01	
NO		7.00	
NO			
NO			
YES			
YES			
YES			
YES			
YES			
YES			
Adjusted Average	119.00	833.01	
Final Baseflow	60.00	7.00	
Computations for < 6 days			
Enter date of 6th day		0.00	
Enter date of 5th day		0.00	
Enter date of 4th day		0.00	
Average with 6 days	119.00		

Paragraph 3.b.iii check	
Average for prior days 11-20	332.00
Is value twice the computed Antecedent Flow Value?	Yes
Muskingum Day 6 =	23.09
Para. 3.b.iii AF Value	71.05

Total Offset =	9232
Transit Loss on Consumable =	1564
Granada Transit Loss Credit Percentage =	61.8%
Transit Loss Model Input JMR to Lamar =	64
Transit Loss Model Input Lamar to Granada =	322
Transit Loss Model Input Granada to Stateline =	547
Total Transit Loss Model Input =	934

Muskingum
Derivation of factors

K (hr)=	60	cO=	0.048
x =	0.15	c1 =	0.333
t (hr) =	24	c2 =	0.619
		c0+c1+c2 =	1.00

K t ratio check

2Kx <	t	< 2K(1-x)
18	24	102

Offset Delivery Efficiency =	79.71%
Offset Net Delivery =	7359
Offset Consumable Delivery =	6146
ESF Delivery Efficiency =	89.2%
Section II Delivery =	1354
Section II Delivery Transit Loss =	164
Evaporation Delivery Credit	0

Enclosure 2
Kansas Release #2 Crediting Spreadsheet

Data Input Sheet for Section II/Offset Account Delivery June-July 2017

Type of Release	C	Start Time	9:00 AM	Rate	341	Did any other release occur within ten days prior to this release?	Yes		
Release Start Date	7/9/2021	Offset Release Start Date	7/9/2021			If yes, enter Antecedent Flow from Prior Release >		71.05	
Release End Date	8/7/2021	Offset Release End Date	8/7/2021						
Ending Hour	9:30 PM	Enter Cumulative Evap Credit AF			0.00	If yes, enter Granada Antecedent Flow from Prior Release >			9.34

	Gage Data					Release Amounts					
	Stateline Flow Data		Intermediate Gage Data			Offset Account		Offset Account Release	Kansas Section II	Transit Loss	Total
Date	Coolidge (cfs)	Frontier (cfs)	Below JMR (cfs)	Lamar (cfs)	Granada (cfs)	Consumable (af)	All Other (af)		(af)	(af)	(af)
6/20/2021	70.3	0.0	859.6	268.8	117.6			0.0			0.0
6/21/2021	124.9	0.0	856.0	279.5	162.1			0.0			0.0
6/22/2021	161.6	0.0	891.4	283.2	172.9			0.0			0.0
6/23/2021	159.6	0.0	921.7	339.3	187.6			0.0			0.0
6/24/2021	165.7	24.2	913.8	335.6	216.5			0.0			0.0
6/25/2021	168.4	37.8	914.0	345.8	254.9			0.0			0.0
6/26/2021	181.8	38.7	911.4	358.7	271.3			0.0			0.0
6/27/2021	188.9	38.9	910.7	366.2	281.2			0.0			0.0
6/28/2021	204.5	39.8	909.7	371.5	288.4			0.0			0.0
6/29/2021	214.5	40.4	905.9	372.7	294.7			0.0			0.0
6/30/2021	224.8	40.4	871.7	369.1	300.4			0.0			0.0
7/1/2021	230.1	36.8	883.6	324.4	287.6			0.0			0.0
7/2/2021	225.8	34.7	919.4	322.7	275.4			0.0			0.0
7/3/2021	228.5	33.8	921.0	324.8	280.3			0.0			0.0
7/4/2021	239.3	33.4	1009.6	350.5	310.7			0.0			0.0
7/5/2021	332.0	34.2	1060.8	343.8	402.3			0.0			0.0
7/6/2021	335.6	34.1	952.5	338.0	345.8			0.0			0.0
7/7/2021	346.1	15.1	690.7	327.6	331.4			0.0			0.0
7/8/2021	334.7	0.4	564.6	170.0	267.7	0.0		0.0	0.0	0.0	0.0
7/9/2021	275.7	0.4	759.4	135.4	166.6	73.05		73.05	298.86	61.99	433.9
7/10/2021	219.3	2.4	873.8	293.7	197.9	66.18		66.18	528.87	99.18	694.2
7/11/2021	239.7	6.8	873.1	303.6	267.6	49.26		49.26	545.79	99.18	694.2
7/12/2021	262.8	4.0	908.0	317.8	278.3	33.71		33.71	561.34	142.57	737.6
7/13/2021	271.1	3.5	925.4	349.0	295.9	32.99		32.99	562.06	168.60	763.7
7/14/2021	283.1	3.9	922.3	342.1	303.3	31.48		31.48	563.57	168.60	763.7
7/15/2021	280.0	4.0	907.4	338.9	303.0	29.90		29.90	565.15	168.60	763.7
7/16/2021	286.7	4.1	897.8	336.2	302.2	30.28		30.28	564.77	168.60	763.7
7/17/2021	321.3	5.8	892.8	326.6	300.4	22.39		22.39	572.66	168.60	763.7
7/18/2021	329.0	7.8	887.3	326.2	292.2	30.38		30.38	564.67	168.60	763.7
7/19/2021	336.3	8.2	880.3	323.5	292.4	38.18		38.18	556.87	157.47	752.5
7/20/2021	313.2	7.5	838.3	309.9	287.4	51.11		51.11	543.94	0.00	595.1
7/21/2021	289.9	23.5	807.8	260.6	264.0	46.30		46.30	548.75		595.1
7/22/2021	236.1	33.7	859.4	263.5	240.9	51.60		51.60	580.44		632.0
7/23/2021	223.1	33.4	859.8	297.5	254.9	37.70		37.70	656.53		694.2
7/24/2021	228.4	33.7	853.6	301.9	266.9	21.22		21.22	673.01		694.2
7/25/2021	234.4	33.7	848.6	307.0	271.6	9.91		9.91	684.32		694.2
7/26/2021	351.3	34.5	679.6	349.0	300.1	9.91		9.91	684.32		694.2
7/27/2021	324.2	34.0	450.9	313.9	292.5	12.85		12.85	681.38		694.2
7/28/2021	277.0	33.0	449.6	349.4	310.1	12.06		12.06	682.17		694.2
7/29/2021	274.1	33.1	654.5	313.5	305.1	33.01		33.01	661.22		694.2
7/30/2021	257.6	33.3	810.8	310.4	273.4	27.49		27.49	666.74		694.2
7/31/2021	245.5	33.6	815.6	344.2	290.7	9.93		9.93	684.30		694.2
8/1/2021	278.5	34.5	814.7	357.6	313.8	35.11		35.11	659.12		694.2
8/2/2021	290.1	32.8	676.8	313.7	319.1	63.96		63.96	144.63		208.6
8/3/2021	278.6	26.1	677.3	162.0	247.0	42.27		42.27	362.70		405.0
8/4/2021	235.8	16.9	851.2	357.0	222.7	32.52		32.52	661.71		694.2
8/5/2021	275.8	23.8	852.9	386.1	339.1	52.92		52.92	641.31		694.2
8/6/2021	311.0	19.1	835.5	386.7	336.9	78.25		78.25	615.98		694.2
8/7/2021	309.0	14.8	789.0	396.5	336.9	56.54		56.54	565.37		621.9
8/8/2021	307.7	18.4	493.2	235.3	324.5	0.0		0.00	0.00		0.0
8/9/2021	278.9	15.9	508.7	124.8	192.8			0.00			0.0
8/10/2021	220.8	8.5	508.6	106.1	149.5			0.00			0.0
8/11/2021	193.7	11.4	508.3	96.7	116.5			0.00			0.0
8/12/2021	169.7	28.1	507.7	91.5	93.7			0.00			0.0
8/13/2021	178.0	35.7	488.2	92.4	87.9			0.00			0.0
						1122.5	0.0				

Summary of Key Information for Section II - Offset Delivery June-July 2017

11/24/2021

Date	Flow Data: Mean Daily Stateline (SL) Flow	Flow Data: Mean Daily Stateline (SL) Flow	Flow Data: SL flow less antecedent flow	Release Data: Offset Consumable Release	Release Data: Offset Non-Consumable Release	Release Data: Section 2 Release	Release Data: Transit Loss Release	Muskingum routing: Total Release	Muskingum routing: Total Release Times 1.05	Muskingum routing: Routed release	Muskingum routing: Routed release, lagged one day	Antecedent Flow Calculations			Delivery Calculations: Stateline Delivery Hydrograph	Delivery Calculations: Equivalent Stateline Flow Hydrograph
			71.1													
	CFS	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	Initial Average=	593.54		AF	AF
6/20/2021	70	139	68	0	0	0	0	0	0	0	0				0	0
6/21/2021	125	248	177	0	0	0	0	0	0	0	0				0	0
6/22/2021	162	321	250	0	0	0	0	0	0	0	0				0	0
6/23/2021	160	317	246	0	0	0	0	0	0	0	0				0	0
6/24/2021	190	377	306	0	0	0	0	0	0	0	0				0	0
6/25/2021	206	409	338	0	0	0	0	0	0	0	0				0	0
6/26/2021	221	437	366	0	0	0	0	0	0	0	0				0	0
6/27/2021	228	452	381	0	0	0	0	0	0	0	0				0	0
6/28/2021	244	485	413	0	0	0	0	0	0	0	0				0	0
6/29/2021	255	506	435	0	0	0	0	0	0	0	0				0	0
6/30/2021	265	526	455	0	0	0	0	0	0	0	0	YES	7		0	0
7/1/2021	267	530	458	0	0	0	0	0	0	0	0	YES	9		0	0
7/2/2021	261	517	446	0	0	0	0	0	0	0	0	YES	8		0	0
7/3/2021	262	520	449	0	0	0	0	0	0	0	0	YES	6		0	0
7/4/2021	273	541	470	0	0	0	0	0	0	0	0	NO	2		0	0
7/5/2021	366	726	655	0	0	0	0	0	0	0	0	NO	1		0	0
7/6/2021	370	733	662	0	0	0	0	0	0	0	0	NO	3		0	0
7/7/2021	361	716	645	0	0	0	0	0	0	0	0	NO	4		0	0
7/8/2021	335	665	594	0	0	0	0	0	0	0	0	YES	5		0	0
7/9/2021	276	548	477	73	0	299	62	372	391	19	0	YES	10		0	0
7/10/2021	222	440	369	66	0	529	99	595	625	171	19	Adjusted Average	550.82	3304.91	19	19
7/11/2021	246	489	418	49	0	546	99	595	625	344	171	YES		6.00	171	171
7/12/2021	267	529	458	34	0	561	143	595	625	451	344	YES			344	344
7/13/2021	275	545	474	33	0	562	169	595	625	517	451	YES			451	451
7/14/2021	287	569	498	31	0	564	169	595	625	558	517	YES			498	517
7/15/2021	284	563	492	30	0	565	169	595	625	584	558	NO			492	558
7/16/2021	291	577	506	30	0	565	169	595	625	599	584	NO			506	577
7/17/2021	327	649	578	22	0	573	169	595	625	609	599	NO			578	599
7/18/2021	337	668	597	30	0	565	169	595	625	615	609	NO			597	609
7/19/2021	344	683	612	38	0	557	157	595	625	619	615	YES			612	615
7/20/2021	321	636	565	51	0	544	0	595	625	621	619	YES			565	619
7/21/2021	313	622	551	46	0	549	0	595	625	622	621	Adjusted Average	550.82	3304.91	551	621
7/22/2021	270	535	464	52	0	580	0	632	664	625	622	Final Baseflow	277.70	6.00	464	535
7/23/2021	257	509	438	38	0	657	0	694	729	643	625	Computations for < 6 days			438	509
7/24/2021	262	520	449	21	0	673	0	694	729	676	643	Enter date of 6th day		0.00	449	520
7/25/2021	268	532	461	10	0	684	0	694	729	696	676	Enter date of 5th day		0.00	461	532
7/26/2021	386	765	694	10	0	684	0	694	729	709	696	Enter date of 4th day		0.00	694	696
7/27/2021	358	711	639	13	0	681	0	694	729	716	709	Average with 6 days	550.82		639	709
7/28/2021	310	615	544	12	0	682	0	694	729	721	716				544	615
7/29/2021	307	609	538	33	0	661	0	694	729	724	721				538	609
7/30/2021	291	577	506	27	0	667	0	694	729	726	724				506	577
7/31/2021	279	554	483	10	0	684	0	694	729	727	726				483	554
8/1/2021	313	621	550	35	0	659	0	694	729	728	727				550	621
8/2/2021	323	640	569	64	0	145	0	209	219	704	728				569	640
8/3/2021	305	605	533	42	0	363	0	405	425	529	704				533	605
8/4/2021	253	501	430	33	0	662	0	694	729	504	529				430	501
8/5/2021	300	594	523	53	0	641	0	694	729	590	504				504	504
8/6/2021	330	655	584	78	0	616	0	694	729	643	590				584	590
8/7/2021	324	642	571	57	0	565	0	622	653	672	643				571	642
8/8/2021	326	647	576	0	0	0	0	0	0	634	672				576	647
8/9/2021	295	585	514	0	0	0	0	0	0	392	634				514	585
8/10/2021	229	455	384	0	0	0	0	0	0	243	392				384	392
8/11/2021	205	407	336	0	0	0	0	0	0	150	243				243	243
8/12/2021	198	392	321	0	0	0	0	0	0	93	150				150	150
8/13/2021	214	424	353	0	0	0	0	0	0	0	81				81	81
			Totals	1122	0	17283	1572	18405	19325	19174	19162				16289	17757

Paragraph 3.b.iii check	
Average for prior days 11-20	407.62
Is value twice the computed Antecedent Flow Value?	No
Muskingum Day 6 =	#N/A
Para. 3.b.iii AF Value	#N/A

Total Offset =	1122
Transit Loss on Consumable =	129
Granada Transit Loss Credit Percentage =	3.6%
Transit Loss Model Input JMR to Lamar =	1
Transit Loss Model Input Lamar to Granada =	2
Transit Loss Model Input Granada to Stateline =	27
Total Transit Loss Model Input =	30

Muskingum
Derivation of factors

K (hr)=	60	cO=	0.048
x =	0.15	c1 =	0.333
t (hr) =	24	c2 =	0.619
		c0+c1+c2 =	1.00

K t ratio check

2Kx <	t	< 2K(1-x)
18	24	102

Offset Delivery Efficiency =	88.50%
Offset Net Delivery =	993
Offset Consumable Delivery =	993
ESF Delivery Efficiency =	96.5%
Section II Delivery =	16674
Section II Delivery Transit Loss =	609
Evaporation Delivery Credit	0

Enclosure 3
Summary Offset Accounting

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5424.62
1	21.50	0.00	0.00	0.00	7.78	5438.34
2	130.27	0.00	0.00	0.00	5.58	5563.03
3	148.11	0.00	0.00	0.00	5.46	5705.68
4	145.38	0.00	0.00	0.00	8.05	5843.01
5	140.53	0.00	0.00	0.00	8.19	5975.35
6	142.85	0.00	0.00	0.00	8.39	6109.81
7	94.99	0.00	0.00	0.00	8.57	6196.23
8	89.50	0.00	0.00	0.00	8.67	6277.06
9	78.89	0.00	0.00	0.00	5.84	6350.11
10	70.62	0.00	0.00	0.00	10.93	6409.80
11	71.42	0.00	0.00	0.00	8.53	6472.69
12	71.75	0.00	0.00	0.00	8.64	6535.80
13	54.28	0.00	0.00	0.00	8.75	6581.33
14	42.19	0.00	0.00	0.00	10.51	6613.01
15	40.03	0.00	0.00	0.00	10.34	6642.70
16	33.89	0.00	0.00	0.00	10.63	6665.96
17	31.39	0.00	0.00	0.00	9.44	6687.91
18	38.22	0.00	0.00	185.96	9.46	6530.71
19	57.93	0.00	0.00	495.88	9.25	6083.51
20	49.20	0.00	0.00	495.88	8.65	5628.18
21	48.17	0.00	0.00	495.88	5.98	5174.49
22	49.48	0.00	0.00	565.71	7.43	4650.83
23	49.86	0.00	0.00	624.80	7.24	4068.65
24	37.58	0.00	0.00	624.80	8.05	3473.38
25	34.75	0.00	0.00	624.80	3.67	2879.66
26	38.80	0.00	0.00	624.80	3.07	2290.59
27	26.66	309.52	0.00	624.80	2.55	1999.42
28	26.49	2224.10	0.00	624.80	1.93	3623.28
29	26.74	124.04	0.00	624.80	0.56	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	2657.66	0.00	7204.66	213.13	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						865.19
1	0.00	0.00	0.00	0.00	1.24	863.95
2	0.00	0.00	0.00	0.00	0.89	863.06
3	0.00	0.00	0.00	0.00	0.85	862.21
4	0.00	0.00	0.00	0.00	1.21	861.00
5	0.00	0.00	0.00	0.00	1.20	859.80
6	0.00	0.00	0.00	0.00	1.20	858.60
7	0.00	0.00	0.00	0.00	1.20	857.40
8	0.00	0.00	0.00	0.00	1.20	856.20
9	0.00	0.00	0.00	0.00	0.80	855.40
10	0.00	0.00	0.00	0.00	1.47	853.93
11	0.00	0.00	0.00	0.00	1.14	852.79
12	0.00	0.00	0.00	0.00	1.14	851.65
13	0.00	0.00	0.00	0.00	1.14	850.51
14	0.00	0.00	0.00	0.00	1.35	849.16
15	0.00	0.00	0.00	0.00	1.32	847.84
16	0.00	0.00	0.00	0.00	1.35	846.49
17	0.00	0.00	0.00	0.00	1.20	845.29
18	0.00	0.00	0.00	0.00	1.20	844.09
19	0.00	0.00	0.00	0.00	1.20	842.89
20	0.00	0.00	0.00	0.00	1.20	841.69
21	0.00	0.00	0.00	0.00	0.89	840.80
22	0.00	0.00	0.00	0.00	1.20	839.60
23	0.00	0.00	0.00	0.00	1.31	838.29
24	0.00	0.00	0.00	0.00	1.66	836.63
25	0.00	0.00	0.00	0.00	0.88	835.75
26	0.00	0.00	0.00	0.00	0.89	834.86
27	0.00	0.00	0.00	0.00	0.92	833.94
28	0.00	0.00	0.00	0.00	0.80	833.14
29	0.00	0.00	0.00	0.00	0.13	833.01
30	0.00	0.00	0.00	0.00	0.26	832.75
	0.00	0.00	0.00	0.00	32.44	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5328.11
1	21.50	0.00	0.00	0.00	7.64	5341.97
2	130.27	0.00	0.00	0.00	5.48	5466.76
3	148.11	0.00	0.00	0.00	5.37	5609.50
4	145.38	0.00	0.00	0.00	7.91	5746.97
5	140.53	0.00	0.00	0.00	8.05	5879.45
6	142.85	0.00	0.00	0.00	8.25	6014.05
7	94.99	0.00	0.00	0.00	8.43	6100.61
8	89.50	0.00	0.00	0.00	8.53	6181.58
9	78.89	0.00	0.00	0.00	5.76	6254.71
10	70.62	0.00	0.00	0.00	10.76	6314.57
11	71.42	0.00	0.00	0.00	8.40	6377.59
12	71.75	0.00	0.00	0.00	8.51	6440.83
13	54.28	0.00	0.00	0.00	8.62	6486.49
14	42.19	0.00	0.00	0.00	10.36	6518.32
15	40.03	0.00	0.00	0.00	10.19	6548.16
16	33.89	0.00	0.00	0.00	10.48	6571.57
17	31.39	0.00	0.00	0.00	9.30	6593.66
18	38.22	0.00	0.00	185.96	9.32	6436.60
19	57.93	0.00	0.00	406.77	9.11	6078.65
20	49.20	0.00	0.00	495.88	8.64	5623.33
21	48.17	0.00	0.00	495.88	5.97	5169.65
22	49.48	0.00	0.00	565.71	7.42	4646.00
23	49.86	0.00	0.00	624.80	7.23	4063.83
24	37.58	0.00	0.00	624.80	8.04	3468.57
25	34.75	0.00	0.00	624.80	3.66	2874.86
26	38.80	0.00	0.00	624.80	3.06	2285.80
27	26.66	0.00	0.00	341.55	2.54	1968.37
28	26.49	1741.04	0.00	182.59	1.90	3551.41
29	26.74	76.61	0.00	505.51	0.55	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	1817.65	0.00	6270.80	210.47	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3867.94
1	21.50	0.00	0.00	0.00	5.54	3883.90
2	130.27	0.00	0.00	0.00	3.97	4010.20
3	148.11	0.00	0.00	0.00	3.93	4154.38
4	145.38	0.00	0.00	0.00	5.85	4293.91
5	140.53	0.00	0.00	0.00	6.01	4428.43
6	142.85	0.00	0.00	0.00	6.21	4565.07
7	94.99	0.00	0.00	0.00	6.39	4653.67
8	89.50	0.00	0.00	0.00	6.50	4736.67
9	78.89	0.00	0.00	0.00	4.41	4811.15
10	70.62	0.00	0.00	0.00	8.27	4873.50
11	71.42	0.00	0.00	0.00	6.47	4938.45
12	71.75	0.00	0.00	0.00	6.58	5003.62
13	54.28	0.00	0.00	0.00	6.69	5051.21
14	42.19	0.00	0.00	0.00	8.06	5085.34
15	40.03	0.00	0.00	0.00	7.95	5117.42
16	33.89	0.00	0.00	0.00	8.19	5143.12
17	31.39	0.00	0.00	0.00	7.27	5167.24
18	38.22	0.00	0.00	0.00	7.29	5198.17
19	57.93	0.00	0.00	5.34	7.34	5243.42
20	49.20	0.00	0.00	495.88	7.44	4789.30
21	48.17	0.00	0.00	495.88	5.08	4336.51
22	49.48	0.00	0.00	565.71	6.22	3814.06
23	49.86	0.00	0.00	624.80	5.92	3233.20
24	37.58	0.00	0.00	624.80	6.38	2639.60
25	34.75	0.00	0.00	624.80	2.78	2046.77
26	38.80	0.00	0.00	624.80	2.17	1458.60
27	26.66	0.00	0.00	341.55	1.62	1142.09
28	26.49	1741.04	0.00	182.59	1.10	2725.93
29	26.74	76.61	0.00	505.51	0.42	2323.35
30	25.98	0.00	0.00	591.75	0.73	1756.85
	1917.45	1817.65	0.00	5683.41	162.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						602.64
1	0.00	0.00	0.00	0.00	0.86	601.78
2	0.00	0.00	0.00	0.00	0.62	601.16
3	0.00	0.00	0.00	0.00	0.59	600.57
4	0.00	0.00	0.00	0.00	0.85	599.72
5	0.00	0.00	0.00	0.00	0.84	598.88
6	0.00	0.00	0.00	0.00	0.84	598.04
7	0.00	0.00	0.00	0.00	0.84	597.20
8	0.00	0.00	0.00	0.00	0.83	596.37
9	0.00	0.00	0.00	0.00	0.55	595.82
10	0.00	0.00	0.00	0.00	1.02	594.80
11	0.00	0.00	0.00	0.00	0.79	594.01
12	0.00	0.00	0.00	0.00	0.79	593.22
13	0.00	0.00	0.00	0.00	0.79	592.43
14	0.00	0.00	0.00	0.00	0.95	591.48
15	0.00	0.00	0.00	0.00	0.92	590.56
16	0.00	0.00	0.00	0.00	0.94	589.62
17	0.00	0.00	0.00	0.00	0.83	588.79
18	0.00	0.00	0.00	185.96	0.83	402.00
19	0.00	0.00	0.00	401.43	0.57	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	587.39	15.25	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						96.51
1	0.00	0.00	0.00	0.00	0.14	96.37
2	0.00	0.00	0.00	0.00	0.10	96.27
3	0.00	0.00	0.00	0.00	0.09	96.18
4	0.00	0.00	0.00	0.00	0.14	96.04
5	0.00	0.00	0.00	0.00	0.14	95.90
6	0.00	0.00	0.00	0.00	0.14	95.76
7	0.00	0.00	0.00	0.00	0.14	95.62
8	0.00	0.00	0.00	0.00	0.14	95.48
9	0.00	0.00	0.00	0.00	0.08	95.40
10	0.00	0.00	0.00	0.00	0.17	95.23
11	0.00	0.00	0.00	0.00	0.13	95.10
12	0.00	0.00	0.00	0.00	0.13	94.97
13	0.00	0.00	0.00	0.00	0.13	94.84
14	0.00	0.00	0.00	0.00	0.15	94.69
15	0.00	0.00	0.00	0.00	0.15	94.54
16	0.00	0.00	0.00	0.00	0.15	94.39
17	0.00	0.00	0.00	0.00	0.14	94.25
18	0.00	0.00	0.00	0.00	0.14	94.11
19	0.00	0.00	0.00	89.11	0.14	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	309.52	0.00	283.25	0.01	31.05
28	0.00	483.06	0.00	442.21	0.03	71.87
29	0.00	47.43	0.00	119.29	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	840.01	0.00	933.86	2.66	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.03
1	0.00	0.00	0.00	0.00	0.01	5.02
2	0.00	0.00	0.00	0.00	0.01	5.01
3	0.00	0.00	0.00	0.00	0.00	5.01
4	0.00	0.00	0.00	0.00	0.01	5.00
5	0.00	0.00	0.00	0.00	0.01	4.99
6	0.00	0.00	0.00	0.00	0.01	4.98
7	0.00	0.00	0.00	0.00	0.01	4.97
8	0.00	0.00	0.00	0.00	0.01	4.96
9	0.00	0.00	0.00	0.00	0.00	4.96
10	0.00	0.00	0.00	0.00	0.01	4.95
11	0.00	0.00	0.00	0.00	0.01	4.94
12	0.00	0.00	0.00	0.00	0.01	4.93
13	0.00	0.00	0.00	0.00	0.01	4.92
14	0.00	0.00	0.00	0.00	0.01	4.91
15	0.00	0.00	0.00	0.00	0.01	4.90
16	0.00	0.00	0.00	0.00	0.01	4.89
17	0.00	0.00	0.00	0.00	0.01	4.88
18	0.00	0.00	0.00	0.00	0.01	4.87
19	0.00	0.00	0.00	0.00	0.01	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	26.27	0.00	0.00	0.01	31.05
28	0.00	40.85	0.00	0.00	0.03	71.87
29	0.00	4.03	0.00	75.89	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	71.15	0.00	75.89	0.29	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						563.14
1	0.00	0.00	0.00	0.00	0.81	562.33
2	0.00	0.00	0.00	0.00	0.58	561.75
3	0.00	0.00	0.00	0.00	0.55	561.20
4	0.00	0.00	0.00	0.00	0.79	560.41
5	0.00	0.00	0.00	0.00	0.78	559.63
6	0.00	0.00	0.00	0.00	0.78	558.85
7	0.00	0.00	0.00	0.00	0.78	558.07
8	0.00	0.00	0.00	0.00	0.78	557.29
9	0.00	0.00	0.00	0.00	0.52	556.77
10	0.00	0.00	0.00	0.00	0.96	555.81
11	0.00	0.00	0.00	0.00	0.74	555.07
12	0.00	0.00	0.00	0.00	0.74	554.33
13	0.00	0.00	0.00	0.00	0.74	553.59
14	0.00	0.00	0.00	0.00	0.88	552.71
15	0.00	0.00	0.00	0.00	0.86	551.85
16	0.00	0.00	0.00	0.00	0.88	550.97
17	0.00	0.00	0.00	0.00	0.78	550.19
18	0.00	0.00	0.00	0.00	0.78	549.41
19	0.00	0.00	0.00	0.00	0.78	548.63
20	0.00	0.00	0.00	0.00	0.78	547.85
21	0.00	0.00	0.00	0.00	0.58	547.27
22	0.00	0.00	0.00	0.00	0.78	546.49
23	0.00	0.00	0.00	0.00	0.85	545.64
24	0.00	0.00	0.00	0.00	1.08	544.56
25	0.00	0.00	0.00	0.00	0.57	543.99
26	0.00	0.00	0.00	0.00	0.58	543.41
27	0.00	0.00	0.00	0.00	0.60	542.81
28	0.00	0.00	0.00	0.00	0.52	542.29
29	0.00	0.00	0.00	0.00	0.08	542.21
30	0.00	0.00	0.00	0.00	0.17	542.04
	0.00	0.00	0.00	0.00	21.10	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						91.48
1	0.00	0.00	0.00	0.00	0.13	91.35
2	0.00	0.00	0.00	0.00	0.09	91.26
3	0.00	0.00	0.00	0.00	0.09	91.17
4	0.00	0.00	0.00	0.00	0.13	91.04
5	0.00	0.00	0.00	0.00	0.13	90.91
6	0.00	0.00	0.00	0.00	0.13	90.78
7	0.00	0.00	0.00	0.00	0.13	90.65
8	0.00	0.00	0.00	0.00	0.13	90.52
9	0.00	0.00	0.00	0.00	0.08	90.44
10	0.00	0.00	0.00	0.00	0.16	90.28
11	0.00	0.00	0.00	0.00	0.12	90.16
12	0.00	0.00	0.00	0.00	0.12	90.04
13	0.00	0.00	0.00	0.00	0.12	89.92
14	0.00	0.00	0.00	0.00	0.14	89.78
15	0.00	0.00	0.00	0.00	0.14	89.64
16	0.00	0.00	0.00	0.00	0.14	89.50
17	0.00	0.00	0.00	0.00	0.13	89.37
18	0.00	0.00	0.00	0.00	0.13	89.24
19	0.00	0.00	0.00	89.11	0.13	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	283.25	0.00	283.25	0.00	0.00
28	0.00	442.21	0.00	442.21	0.00	0.00
29	0.00	43.40	0.00	43.40	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	768.86	0.00	857.97	2.37	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						302.05
1	0.00	0.00	0.00	0.00	0.43	301.62
2	0.00	0.00	0.00	0.00	0.31	301.31
3	0.00	0.00	0.00	0.00	0.30	301.01
4	0.00	0.00	0.00	0.00	0.42	300.59
5	0.00	0.00	0.00	0.00	0.42	300.17
6	0.00	0.00	0.00	0.00	0.42	299.75
7	0.00	0.00	0.00	0.00	0.42	299.33
8	0.00	0.00	0.00	0.00	0.42	298.91
9	0.00	0.00	0.00	0.00	0.28	298.63
10	0.00	0.00	0.00	0.00	0.51	298.12
11	0.00	0.00	0.00	0.00	0.40	297.72
12	0.00	0.00	0.00	0.00	0.40	297.32
13	0.00	0.00	0.00	0.00	0.40	296.92
14	0.00	0.00	0.00	0.00	0.47	296.45
15	0.00	0.00	0.00	0.00	0.46	295.99
16	0.00	0.00	0.00	0.00	0.47	295.52
17	0.00	0.00	0.00	0.00	0.42	295.10
18	0.00	0.00	0.00	0.00	0.42	294.68
19	0.00	0.00	0.00	0.00	0.42	294.26
20	0.00	0.00	0.00	0.00	0.42	293.84
21	0.00	0.00	0.00	0.00	0.31	293.53
22	0.00	0.00	0.00	0.00	0.42	293.11
23	0.00	0.00	0.00	0.00	0.46	292.65
24	0.00	0.00	0.00	0.00	0.58	292.07
25	0.00	0.00	0.00	0.00	0.31	291.76
26	0.00	0.00	0.00	0.00	0.31	291.45
27	0.00	0.00	0.00	0.00	0.32	291.13
28	0.00	0.00	0.00	0.00	0.28	290.85
29	0.00	0.00	0.00	0.00	0.05	290.80
30	0.00	0.00	0.00	0.00	0.09	290.71
	0.00	0.00	0.00	0.00	11.34	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.60	0.00	0.00	51.60	1.95	798.49
23	37.70	0.00	0.00	37.70	1.28	797.21
24	21.22	0.00	0.00	21.22	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.76	786.12
30	27.49	0.00	0.00	27.49	1.64	784.48
31	9.93	0.00	0.00	9.93	1.67	782.81
	1034.07	0.00	0.00	2788.14	45.06	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						832.75
1	0.00	0.00	0.00	0.00	1.02	831.73
2	0.00	0.00	0.00	0.00	0.23	831.50
3	0.00	0.00	0.00	0.00	0.23	831.27
4	0.00	0.00	0.00	0.00	0.23	831.04
5	0.00	0.00	0.00	0.00	0.20	830.84
6	0.00	0.00	0.00	0.00	0.71	830.13
7	0.00	0.00	0.00	0.00	0.44	829.69
8	0.00	0.00	0.00	0.00	2.23	827.46
9	0.00	0.00	0.00	0.00	1.47	825.99
10	0.00	0.00	0.00	0.00	1.49	824.50
11	0.00	0.00	0.00	0.00	1.53	822.97
12	0.00	0.00	0.00	0.00	0.98	821.99
13	0.00	0.00	0.00	0.00	1.77	820.22
14	0.00	0.00	0.00	0.00	1.42	818.80
15	0.00	0.00	0.00	0.00	0.89	817.91
16	0.00	0.00	0.00	0.00	1.52	816.39
17	0.00	0.00	0.00	0.00	1.54	814.85
18	0.00	0.00	0.00	0.00	1.63	813.22
19	0.00	0.00	0.00	0.00	1.31	811.91
20	0.00	0.00	0.00	0.00	1.89	810.02
21	0.00	0.00	0.00	0.00	1.92	808.10
22	0.00	0.00	0.00	0.00	1.95	806.15
23	0.00	0.00	0.00	0.00	1.28	804.87
24	0.00	0.00	0.00	0.00	1.34	803.53
25	0.00	0.00	0.00	0.00	1.30	802.23
26	0.00	0.00	0.00	0.00	1.04	801.19
27	0.00	0.00	0.00	0.00	2.53	798.66
28	0.00	0.00	0.00	0.00	2.12	796.54
29	0.00	0.00	0.00	0.00	2.76	793.78
30	0.00	0.00	0.00	0.00	1.64	792.14
31	0.00	0.00	0.00	0.00	1.67	790.47
	0.00	0.00	0.00	0.00	42.28	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.60	0.00	0.00	51.60	1.95	798.49
23	37.70	0.00	0.00	37.70	1.28	797.21
24	21.22	0.00	0.00	21.22	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.76	786.12
30	27.49	0.00	0.00	27.49	1.64	784.48
31	9.93	0.00	0.00	9.93	1.67	782.81
	1034.07	0.00	0.00	2788.14	45.06	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1756.85
1	35.31	0.00	0.00	575.22	2.15	1214.79
2	46.89	0.00	0.00	575.22	0.34	686.12
3	52.43	0.00	0.00	575.22	0.19	163.14
4	66.20	0.00	0.00	229.29	0.05	0.00
5	39.94	0.00	0.00	39.94	0.00	0.00
6	16.83	0.00	0.00	16.83	0.00	0.00
7	15.53	0.00	0.00	15.53	0.00	0.00
8	25.75	0.00	0.00	0.00	0.00	25.75
9	47.35	0.00	0.00	73.05	0.05	0.00
10	66.18	0.00	0.00	66.18	0.00	0.00
11	49.26	0.00	0.00	49.26	0.00	0.00
12	33.71	0.00	0.00	33.71	0.00	0.00
13	32.99	0.00	0.00	32.99	0.00	0.00
14	31.48	0.00	0.00	31.48	0.00	0.00
15	29.90	0.00	0.00	29.90	0.00	0.00
16	30.28	0.00	0.00	30.28	0.00	0.00
17	22.39	0.00	0.00	22.39	0.00	0.00
18	30.38	0.00	0.00	30.38	0.00	0.00
19	38.18	0.00	0.00	38.18	0.00	0.00
20	51.11	0.00	0.00	51.11	0.00	0.00
21	46.30	0.00	0.00	46.30	0.00	0.00
22	51.60	0.00	0.00	51.60	0.00	0.00
23	37.70	0.00	0.00	37.70	0.00	0.00
24	21.22	0.00	0.00	21.22	0.00	0.00
25	9.91	0.00	0.00	9.91	0.00	0.00
26	9.91	0.00	0.00	9.91	0.00	0.00
27	12.85	0.00	0.00	12.85	0.00	0.00
28	12.06	0.00	0.00	12.06	0.00	0.00
29	33.01	0.00	0.00	33.01	0.00	0.00
30	27.49	0.00	0.00	27.49	0.00	0.00
31	9.93	0.00	0.00	9.93	0.00	0.00
	1034.07	0.00	0.00	2788.14	2.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						542.04
1	0.00	0.00	0.00	0.00	0.66	541.38
2	0.00	0.00	0.00	0.00	0.15	541.23
3	0.00	0.00	0.00	0.00	0.15	541.08
4	0.00	0.00	0.00	0.00	0.15	540.93
5	0.00	0.00	0.00	0.00	0.13	540.80
6	0.00	0.00	0.00	0.00	0.46	540.34
7	0.00	0.00	0.00	0.00	0.29	540.05
8	0.00	0.00	0.00	0.00	1.45	538.60
9	0.00	0.00	0.00	0.00	0.96	537.64
10	0.00	0.00	0.00	0.00	0.97	536.67
11	0.00	0.00	0.00	0.00	1.00	535.67
12	0.00	0.00	0.00	0.00	0.64	535.03
13	0.00	0.00	0.00	0.00	1.15	533.88
14	0.00	0.00	0.00	0.00	0.92	532.96
15	0.00	0.00	0.00	0.00	0.58	532.38
16	0.00	0.00	0.00	0.00	0.99	531.39
17	0.00	0.00	0.00	0.00	1.00	530.39
18	0.00	0.00	0.00	0.00	1.06	529.33
19	0.00	0.00	0.00	0.00	0.85	528.48
20	0.00	0.00	0.00	0.00	1.23	527.25
21	0.00	0.00	0.00	0.00	1.25	526.00
22	0.00	0.00	0.00	0.00	1.27	524.73
23	0.00	0.00	0.00	0.00	0.83	523.90
24	0.00	0.00	0.00	0.00	0.87	523.03
25	0.00	0.00	0.00	0.00	0.85	522.18
26	0.00	0.00	0.00	0.00	0.68	521.50
27	0.00	0.00	0.00	0.00	1.65	519.85
28	0.00	0.00	0.00	0.00	1.38	518.47
29	0.00	0.00	0.00	0.00	1.80	516.67
30	0.00	0.00	0.00	0.00	1.07	515.60
31	0.00	0.00	0.00	0.00	1.09	514.51
	0.00	0.00	0.00	0.00	27.53	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						290.71
1	0.00	0.00	0.00	0.00	0.36	290.35
2	0.00	0.00	0.00	0.00	0.08	290.27
3	0.00	0.00	0.00	0.00	0.08	290.19
4	0.00	0.00	0.00	0.00	0.08	290.11
5	0.00	0.00	0.00	0.00	0.07	290.04
6	0.00	0.00	0.00	0.00	0.25	289.79
7	0.00	0.00	0.00	0.00	0.15	289.64
8	0.00	0.00	0.00	0.00	0.78	288.86
9	0.00	0.00	0.00	0.00	0.51	288.35
10	0.00	0.00	0.00	0.00	0.52	287.83
11	0.00	0.00	0.00	0.00	0.53	287.30
12	0.00	0.00	0.00	0.00	0.34	286.96
13	0.00	0.00	0.00	0.00	0.62	286.34
14	0.00	0.00	0.00	0.00	0.50	285.84
15	0.00	0.00	0.00	0.00	0.31	285.53
16	0.00	0.00	0.00	0.00	0.53	285.00
17	0.00	0.00	0.00	0.00	0.54	284.46
18	0.00	0.00	0.00	0.00	0.57	283.89
19	0.00	0.00	0.00	0.00	0.46	283.43
20	0.00	0.00	0.00	0.00	0.66	282.77
21	0.00	0.00	0.00	0.00	0.67	282.10
22	0.00	0.00	0.00	0.00	0.68	281.42
23	0.00	0.00	0.00	0.00	0.45	280.97
24	0.00	0.00	0.00	0.00	0.47	280.50
25	0.00	0.00	0.00	0.00	0.45	280.05
26	0.00	0.00	0.00	0.00	0.36	279.69
27	0.00	0.00	0.00	0.00	0.88	278.81
28	0.00	0.00	0.00	0.00	0.74	278.07
29	0.00	0.00	0.00	0.00	0.96	277.11
30	0.00	0.00	0.00	0.00	0.57	276.54
31	0.00	0.00	0.00	0.00	0.58	275.96
	0.00	0.00	0.00	0.00	14.75	

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.81
1	35.11	0.00	0.00	35.11	1.71	781.10
2	63.96	0.00	0.00	63.96	2.84	778.26
3	42.27	0.00	0.00	42.27	0.86	777.40
4	32.52	0.00	0.00	32.52	1.06	776.34
5	52.92	0.00	0.00	52.92	1.01	775.33
6	78.25	0.00	0.00	78.25	2.10	773.23
7	63.11	0.00	0.00	56.54	2.20	777.60
8	43.36	0.00	0.00	0.00	2.26	818.70
9	36.92	0.00	0.00	0.00	3.04	852.58
10	52.23	0.00	0.00	0.00	2.39	902.42
11	57.93	0.00	0.00	0.00	2.43	957.92
12	44.88	0.00	0.00	0.00	2.74	1000.06
13	46.69	0.00	0.00	0.00	2.60	1044.15
14	53.71	0.00	0.00	0.00	2.71	1095.15
15	42.09	0.00	0.00	0.00	2.90	1134.34
16	37.32	0.00	0.00	0.00	2.70	1168.96
17	36.70	0.00	0.00	0.00	1.16	1204.50
18	36.40	0.00	0.00	0.00	4.49	1236.41
19	36.61	0.00	0.00	0.00	3.97	1269.05
20	36.84	0.00	0.00	0.00	3.75	1302.14
21	36.82	0.00	0.00	0.00	3.85	1335.11
22	34.40	0.00	0.00	0.00	3.86	1365.65
23	42.09	0.00	0.00	0.00	4.43	1403.31
24	25.67	0.00	0.00	0.00	4.83	1424.15
25	21.08	0.00	0.00	0.00	3.67	1441.56
26	26.74	0.00	0.00	0.00	5.21	1463.09
27	20.86	0.00	0.00	0.00	3.91	1480.04
28	19.94	0.00	0.00	0.00	3.96	1496.02
29	13.37	0.00	0.00	0.00	4.14	1505.25
30	9.37	0.00	0.00	0.00	4.32	1510.30
31	9.37	0.00	0.00	0.00	5.00	1514.67
	1189.53	0.00	0.00	361.57	96.10	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						790.47
1	0.00	0.00	0.00	0.00	1.71	788.76
2	0.00	0.00	0.00	0.00	2.84	785.92
3	0.00	0.00	0.00	0.00	0.86	785.06
4	0.00	0.00	0.00	0.00	1.06	784.00
5	0.00	0.00	0.00	0.00	1.01	782.99
6	0.00	0.00	0.00	0.00	2.10	780.89
7	0.00	0.00	0.00	0.00	2.20	778.69
8	0.00	0.00	0.00	0.00	2.24	776.45
9	0.00	0.00	0.00	0.00	2.86	773.59
10	0.00	0.00	0.00	0.00	2.15	771.44
11	0.00	0.00	0.00	0.00	2.06	769.38
12	0.00	0.00	0.00	0.00	2.18	767.20
13	0.00	0.00	0.00	0.00	1.98	765.22
14	0.00	0.00	0.00	0.00	1.97	763.25
15	0.00	0.00	0.00	0.00	2.01	761.24
16	0.00	0.00	0.00	0.00	1.80	759.44
17	0.00	0.00	0.00	0.00	0.75	758.69
18	0.00	0.00	0.00	0.00	2.81	755.88
19	0.00	0.00	0.00	0.00	2.41	753.47
20	0.00	0.00	0.00	0.00	2.21	751.26
21	0.00	0.00	0.00	0.00	2.21	749.05
22	0.00	0.00	0.00	0.00	2.15	746.90
23	0.00	0.00	0.00	0.00	2.41	744.49
24	0.00	0.00	0.00	0.00	2.55	741.94
25	0.00	0.00	0.00	0.00	1.90	740.04
26	0.00	0.00	0.00	0.00	2.66	737.38
27	0.00	0.00	0.00	0.00	1.96	735.42
28	0.00	0.00	0.00	0.00	1.96	733.46
29	0.00	0.00	0.00	0.00	2.02	731.44
30	0.00	0.00	0.00	0.00	2.09	729.35
31	0.00	0.00	0.00	0.00	2.40	726.95
	0.00	0.00	0.00	0.00	63.52	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.81
1	35.11	0.00	0.00	35.11	1.71	781.10
2	63.96	0.00	0.00	63.96	2.84	778.26
3	42.27	0.00	0.00	42.27	0.86	777.40
4	32.52	0.00	0.00	32.52	1.06	776.34
5	52.92	0.00	0.00	52.92	1.01	775.33
6	78.25	0.00	0.00	78.25	2.10	773.23
7	63.11	0.00	0.00	56.54	2.20	777.60
8	43.36	0.00	0.00	0.00	2.26	818.70
9	36.92	0.00	0.00	0.00	3.04	852.58
10	52.23	0.00	0.00	0.00	2.39	902.42
11	57.93	0.00	0.00	0.00	2.43	957.92
12	44.88	0.00	0.00	0.00	2.74	1000.06
13	46.69	0.00	0.00	0.00	2.60	1044.15
14	53.71	0.00	0.00	0.00	2.71	1095.15
15	42.09	0.00	0.00	0.00	2.90	1134.34
16	37.32	0.00	0.00	0.00	2.70	1168.96
17	36.70	0.00	0.00	0.00	1.16	1204.50
18	36.40	0.00	0.00	0.00	4.49	1236.41
19	36.61	0.00	0.00	0.00	3.97	1269.05
20	36.84	0.00	0.00	0.00	3.75	1302.14
21	36.82	0.00	0.00	0.00	3.85	1335.11
22	34.40	0.00	0.00	0.00	3.86	1365.65
23	42.09	0.00	0.00	0.00	4.43	1403.31
24	25.67	0.00	0.00	0.00	4.83	1424.15
25	21.08	0.00	0.00	0.00	3.67	1441.56
26	26.74	0.00	0.00	0.00	5.21	1463.09
27	20.86	0.00	0.00	0.00	3.91	1480.04
28	19.94	0.00	0.00	0.00	3.96	1496.02
29	13.37	0.00	0.00	0.00	4.14	1505.25
30	9.37	0.00	0.00	0.00	4.32	1510.30
31	9.37	0.00	0.00	0.00	5.00	1514.67
	1189.53	0.00	0.00	361.57	96.10	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	35.11	0.00	0.00	35.11	0.00	0.00
2	63.96	0.00	0.00	63.96	0.00	0.00
3	42.27	0.00	0.00	42.27	0.00	0.00
4	32.52	0.00	0.00	32.52	0.00	0.00
5	52.92	0.00	0.00	52.92	0.00	0.00
6	78.25	0.00	0.00	78.25	0.00	0.00
7	63.11	0.00	0.00	56.54	0.00	6.57
8	43.36	0.00	0.00	0.00	0.02	49.91
9	36.92	0.00	0.00	0.00	0.18	86.65
10	52.23	0.00	0.00	0.00	0.24	138.64
11	57.93	0.00	0.00	0.00	0.37	196.20
12	44.88	0.00	0.00	0.00	0.56	240.52
13	46.69	0.00	0.00	0.00	0.62	286.59
14	53.71	0.00	0.00	0.00	0.74	339.56
15	42.09	0.00	0.00	0.00	0.89	380.76
16	37.32	0.00	0.00	0.00	0.90	417.18
17	36.70	0.00	0.00	0.00	0.41	453.47
18	36.40	0.00	0.00	0.00	1.68	488.19
19	36.61	0.00	0.00	0.00	1.56	523.24
20	36.84	0.00	0.00	0.00	1.54	558.54
21	36.82	0.00	0.00	0.00	1.64	593.72
22	34.40	0.00	0.00	0.00	1.71	626.41
23	42.09	0.00	0.00	0.00	2.02	666.48
24	25.67	0.00	0.00	0.00	2.28	689.87
25	21.08	0.00	0.00	0.00	1.77	709.18
26	26.74	0.00	0.00	0.00	2.55	733.37
27	20.86	0.00	0.00	0.00	1.95	752.28
28	19.94	0.00	0.00	0.00	2.00	770.22
29	13.37	0.00	0.00	0.00	2.12	781.47
30	9.37	0.00	0.00	0.00	2.23	788.61
31	9.37	0.00	0.00	0.00	2.60	795.38
	1189.53	0.00	0.00	361.57	32.58	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						514.51
1	0.00	0.00	0.00	0.00	1.11	513.40
2	0.00	0.00	0.00	0.00	1.85	511.55
3	0.00	0.00	0.00	0.00	0.56	510.99
4	0.00	0.00	0.00	0.00	0.69	510.30
5	0.00	0.00	0.00	0.00	0.66	509.64
6	0.00	0.00	0.00	0.00	1.37	508.27
7	0.00	0.00	0.00	0.00	1.43	506.84
8	0.00	0.00	0.00	0.00	1.46	505.38
9	0.00	0.00	0.00	0.00	1.86	503.52
10	0.00	0.00	0.00	0.00	1.40	502.12
11	0.00	0.00	0.00	0.00	1.34	500.78
12	0.00	0.00	0.00	0.00	1.42	499.36
13	0.00	0.00	0.00	0.00	1.29	498.07
14	0.00	0.00	0.00	0.00	1.28	496.79
15	0.00	0.00	0.00	0.00	1.31	495.48
16	0.00	0.00	0.00	0.00	1.17	494.31
17	0.00	0.00	0.00	0.00	0.49	493.82
18	0.00	0.00	0.00	0.00	1.83	491.99
19	0.00	0.00	0.00	0.00	1.57	490.42
20	0.00	0.00	0.00	0.00	1.44	488.98
21	0.00	0.00	0.00	0.00	1.44	487.54
22	0.00	0.00	0.00	0.00	1.40	486.14
23	0.00	0.00	0.00	0.00	1.57	484.57
24	0.00	0.00	0.00	0.00	1.66	482.91
25	0.00	0.00	0.00	0.00	1.24	481.67
26	0.00	0.00	0.00	0.00	1.73	479.94
27	0.00	0.00	0.00	0.00	1.28	478.66
28	0.00	0.00	0.00	0.00	1.28	477.38
29	0.00	0.00	0.00	0.00	1.31	476.07
30	0.00	0.00	0.00	0.00	1.36	474.71
31	0.00	0.00	0.00	0.00	1.56	473.15
	0.00	0.00	0.00	0.00	41.36	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						275.96
1	0.00	0.00	0.00	0.00	0.60	275.36
2	0.00	0.00	0.00	0.00	0.99	274.37
3	0.00	0.00	0.00	0.00	0.30	274.07
4	0.00	0.00	0.00	0.00	0.37	273.70
5	0.00	0.00	0.00	0.00	0.35	273.35
6	0.00	0.00	0.00	0.00	0.73	272.62
7	0.00	0.00	0.00	0.00	0.77	271.85
8	0.00	0.00	0.00	0.00	0.78	271.07
9	0.00	0.00	0.00	0.00	1.00	270.07
10	0.00	0.00	0.00	0.00	0.75	269.32
11	0.00	0.00	0.00	0.00	0.72	268.60
12	0.00	0.00	0.00	0.00	0.76	267.84
13	0.00	0.00	0.00	0.00	0.69	267.15
14	0.00	0.00	0.00	0.00	0.69	266.46
15	0.00	0.00	0.00	0.00	0.70	265.76
16	0.00	0.00	0.00	0.00	0.63	265.13
17	0.00	0.00	0.00	0.00	0.26	264.87
18	0.00	0.00	0.00	0.00	0.98	263.89
19	0.00	0.00	0.00	0.00	0.84	263.05
20	0.00	0.00	0.00	0.00	0.77	262.28
21	0.00	0.00	0.00	0.00	0.77	261.51
22	0.00	0.00	0.00	0.00	0.75	260.76
23	0.00	0.00	0.00	0.00	0.84	259.92
24	0.00	0.00	0.00	0.00	0.89	259.03
25	0.00	0.00	0.00	0.00	0.66	258.37
26	0.00	0.00	0.00	0.00	0.93	257.44
27	0.00	0.00	0.00	0.00	0.68	256.76
28	0.00	0.00	0.00	0.00	0.68	256.08
29	0.00	0.00	0.00	0.00	0.71	255.37
30	0.00	0.00	0.00	0.00	0.73	254.64
31	0.00	0.00	0.00	0.00	0.84	253.80
	0.00	0.00	0.00	0.00	22.16	

Section 4

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

February 12, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2020

Dear Mr. Lewis 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 April 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, 2020.

Table 1 shows the amount of pumping during the month of November 2020 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 66% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface rights in Colorado since there was a call by a Colorado surface water right in those reaches

20 days in November. In Reaches 14, 15 and 16, 33% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 10 days in November 2020.

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.

There were no deliveries to the Offset Account in the month of November 2020.

3.86 acre-feet was transferred out of the Consumable Upstream Subaccount into the Winter Compact Storage account for replacement of winter return flow depletions for the operation of the Catlin Augmentation Association Catlin Canal shared used in CWPDA's Rule 14 Plan.

As of November 30, 2020, a total of 5,452.59 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November 2020 is attached in Enclosure 1.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
November 2020

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	40.4	21.84
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	80.5	51.94
6	ROCKY FORD HIGHLINE	104.33	69.1
7	OXFORD	4.23	2.29
8	OTERO	13.07	4.71
9	CATLIN	13.82	6.2
10	FORT LYON US	115.84	41.7
11	ROCKY FORD	0	0
12	HOLBROOK	1.63	1.18
13	LAS ANIMAS CONSOLIDATED	2.31	1.16
14	BALDWIN-STUBBS	19.64	14.74
15	FORT BENT	7.19	3.18
17	AMITY	174.3	103.8
18	LAMAR/MANVEL	53.76	37.46
19	HYDE	0	0
20	FORT LYON DS	375.26	197.2825
21	XY GRAHAM	0	0
22	BUFFALO	0.16	0.06
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	1,006.44	556.6425

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
November 2020

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	3.18	0.00	103.8	37.46	1.16	190.98	0.00	0.06	0.00	0.00	336.64

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
November 2020

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		7.98	15.88	67.31	94.32	49.51	74.1	230.78	789.21	44.09	1373.18	
Depletion to Usable SL Flow		2.78	5.54	23.49	32.92	17.28	25.86	80.54	275.43	15.39	479.24	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0				0.00	0.00					0.00	0
Lamar Granada East/West									0.00		0.00	0.00
Ft Bent Ditch Shares	0				0.00						0.00	0
Stubbs Direct Flow	0								0		0.00	0
XY Direct Flow	0					0.00					0.00	0
Manvel Direct Flow	0					0					0.00	0
Offset Account Release Credit	5112.15									479.24	479.24	3534.16
Offset Account Transit Loss	0	0.00			0.00			0.00			0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	479.24	479.24	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The SWSP and Decreed Augmentation Plan depletions balance of 850.50 acre-feet was brought to zero using Offset Account release credits.

Enclosure 1

John Martin Offset Accounting for November 2020

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5529.60
1	0.00	0.00	0.00	0.00	2.49	5527.11
2	0.00	0.00	0.00	0.00	2.50	5524.61
3	0.00	0.00	0.00	0.00	2.50	5522.11
4	0.00	0.00	0.00	0.00	2.48	5519.63
5	0.00	0.00	0.00	0.00	2.48	5517.15
6	0.00	0.00	0.00	0.00	2.48	5514.67
7	0.00	0.00	0.00	0.00	2.48	5512.19
8	0.00	0.00	0.00	0.00	2.48	5509.71
9	0.00	0.00	0.00	0.00	2.48	5507.23
10	0.00	0.00	0.00	0.00	2.47	5504.76
11	0.00	0.00	0.00	0.00	2.47	5502.29
12	0.00	0.00	0.00	0.00	2.46	5499.83
13	0.00	0.00	0.00	0.00	2.46	5497.37
14	0.00	0.00	0.00	0.00	2.46	5494.91
15	0.00	0.00	0.00	0.00	2.46	5492.45
16	0.00	0.00	0.00	0.00	2.46	5489.99
17	0.00	0.00	0.00	0.00	2.45	5487.54
18	0.00	0.00	0.00	0.00	2.43	5485.11
19	0.00	0.00	0.00	0.00	2.43	5482.68
20	0.00	0.00	0.00	0.00	2.41	5480.27
21	0.00	0.00	0.00	0.00	2.41	5477.86
22	0.00	0.00	0.00	0.00	2.41	5475.45
23	0.00	0.00	0.00	0.00	2.40	5473.05
24	0.00	0.00	0.00	0.00	2.40	5470.65
25	0.00	0.00	0.00	0.00	2.38	5468.27
26	0.00	0.00	0.00	0.00	2.38	5465.89
27	0.00	0.00	0.00	0.00	2.37	5463.52
28	0.00	0.00	0.00	0.00	2.37	5461.15
29	0.00	0.00	0.00	0.00	2.35	5458.80
30	0.00	0.00	3.86	0.00	2.35	5452.59
	0.00	0.00	3.86	0.00	73.15	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2569.60
1	0.00	0.00	0.00	0.00	1.16	2568.44
2	0.00	0.00	0.00	0.00	1.16	2567.28
3	0.00	0.00	0.00	0.00	1.16	2566.12
4	0.00	0.00	0.00	0.00	1.15	2564.97
5	0.00	0.00	0.00	0.00	1.15	2563.82
6	0.00	0.00	0.00	0.00	1.15	2562.67
7	0.00	0.00	0.00	0.00	1.15	2561.52
8	0.00	0.00	0.00	0.00	1.15	2560.37
9	0.00	0.00	0.00	0.00	1.15	2559.22
10	0.00	0.00	0.00	0.00	1.15	2558.07
11	0.00	0.00	0.00	0.00	1.15	2556.92
12	0.00	0.00	0.00	0.00	1.14	2555.78
13	0.00	0.00	0.00	0.00	1.14	2554.64
14	0.00	0.00	0.00	0.00	1.14	2553.50
15	0.00	0.00	0.00	0.00	1.14	2552.36
16	0.00	0.00	0.00	0.00	1.14	2551.22
17	0.00	0.00	0.00	0.00	1.14	2550.08
18	0.00	0.00	0.00	0.00	1.13	2548.95
19	0.00	0.00	0.00	0.00	1.13	2547.82
20	0.00	0.00	0.00	0.00	1.12	2546.70
21	0.00	0.00	0.00	0.00	1.12	2545.58
22	0.00	0.00	0.00	0.00	1.12	2544.46
23	0.00	0.00	0.00	0.00	1.12	2543.34
24	0.00	0.00	0.00	0.00	1.12	2542.22
25	0.00	0.00	0.00	0.00	1.11	2541.11
26	0.00	0.00	0.00	0.00	1.11	2540.00
27	0.00	0.00	0.00	0.00	1.10	2538.90
28	0.00	0.00	0.00	0.00	1.10	2537.80
29	0.00	0.00	0.00	0.00	1.09	2536.71
30	0.00	0.00	3.86	0.00	1.09	2531.76
	0.00	0.00	3.86	0.00	33.98	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5496.49
1	0.00	0.00	0.00	0.00	2.48	5494.01
2	0.00	0.00	0.00	0.00	2.49	5491.52
3	0.00	0.00	0.00	0.00	2.49	5489.03
4	0.00	0.00	0.00	0.00	2.47	5486.56
5	0.00	0.00	0.00	0.00	2.47	5484.09
6	0.00	0.00	0.00	0.00	2.47	5481.62
7	0.00	0.00	0.00	0.00	2.47	5479.15
8	0.00	0.00	0.00	0.00	2.47	5476.68
9	0.00	0.00	0.00	0.00	2.47	5474.21
10	0.00	0.00	0.00	0.00	2.46	5471.75
11	0.00	0.00	0.00	0.00	2.46	5469.29
12	0.00	0.00	0.00	0.00	2.45	5466.84
13	0.00	0.00	0.00	0.00	2.45	5464.39
14	0.00	0.00	0.00	0.00	2.45	5461.94
15	0.00	0.00	0.00	0.00	2.45	5459.49
16	0.00	0.00	0.00	0.00	2.45	5457.04
17	0.00	0.00	0.00	0.00	2.44	5454.60
18	0.00	0.00	0.00	0.00	2.42	5452.18
19	0.00	0.00	0.00	0.00	2.42	5449.76
20	0.00	0.00	0.00	0.00	2.40	5447.36
21	0.00	0.00	0.00	0.00	2.40	5444.96
22	0.00	0.00	0.00	0.00	2.40	5442.56
23	0.00	0.00	0.00	0.00	2.39	5440.17
24	0.00	0.00	0.00	0.00	2.39	5437.78
25	0.00	0.00	0.00	0.00	2.37	5435.41
26	0.00	0.00	0.00	0.00	2.37	5433.04
27	0.00	0.00	0.00	0.00	2.36	5430.68
28	0.00	0.00	0.00	0.00	2.36	5428.32
29	0.00	0.00	0.00	0.00	2.34	5425.98
30	0.00	0.00	3.86	0.00	2.34	5419.78
	0.00	0.00	3.86	0.00	72.85	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2755.38
1	0.00	0.00	0.00	0.00	1.24	2754.14
2	0.00	0.00	0.00	0.00	1.25	2752.89
3	0.00	0.00	0.00	0.00	1.25	2751.64
4	0.00	0.00	0.00	0.00	1.24	2750.40
5	0.00	0.00	0.00	0.00	1.24	2749.16
6	0.00	0.00	0.00	0.00	1.24	2747.92
7	0.00	0.00	0.00	0.00	1.24	2746.68
8	0.00	0.00	0.00	0.00	1.24	2745.44
9	0.00	0.00	0.00	0.00	1.24	2744.20
10	0.00	0.00	0.00	0.00	1.23	2742.97
11	0.00	0.00	0.00	0.00	1.23	2741.74
12	0.00	0.00	0.00	0.00	1.23	2740.51
13	0.00	0.00	0.00	0.00	1.23	2739.28
14	0.00	0.00	0.00	0.00	1.23	2738.05
15	0.00	0.00	0.00	0.00	1.23	2736.82
16	0.00	0.00	0.00	0.00	1.23	2735.59
17	0.00	0.00	0.00	0.00	1.22	2734.37
18	0.00	0.00	0.00	0.00	1.21	2733.16
19	0.00	0.00	0.00	0.00	1.21	2731.95
20	0.00	0.00	0.00	0.00	1.20	2730.75
21	0.00	0.00	0.00	0.00	1.20	2729.55
22	0.00	0.00	0.00	0.00	1.20	2728.35
23	0.00	0.00	0.00	0.00	1.19	2727.16
24	0.00	0.00	0.00	0.00	1.19	2725.97
25	0.00	0.00	0.00	0.00	1.18	2724.79
26	0.00	0.00	0.00	0.00	1.18	2723.61
27	0.00	0.00	0.00	0.00	1.18	2722.43
28	0.00	0.00	0.00	0.00	1.18	2721.25
29	0.00	0.00	0.00	0.00	1.17	2720.08
30	0.00	0.00	0.00	0.00	1.17	2718.91
	0.00	0.00	0.00	0.00	36.47	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						179.17
1	0.00	0.00	0.00	0.00	0.08	179.09
2	0.00	0.00	0.00	0.00	0.08	179.01
3	0.00	0.00	0.00	0.00	0.08	178.93
4	0.00	0.00	0.00	0.00	0.08	178.85
5	0.00	0.00	0.00	0.00	0.08	178.77
6	0.00	0.00	0.00	0.00	0.08	178.69
7	0.00	0.00	0.00	0.00	0.08	178.61
8	0.00	0.00	0.00	0.00	0.08	178.53
9	0.00	0.00	0.00	0.00	0.08	178.45
10	0.00	0.00	0.00	0.00	0.08	178.37
11	0.00	0.00	0.00	0.00	0.08	178.29
12	0.00	0.00	0.00	0.00	0.08	178.21
13	0.00	0.00	0.00	0.00	0.08	178.13
14	0.00	0.00	0.00	0.00	0.08	178.05
15	0.00	0.00	0.00	0.00	0.08	177.97
16	0.00	0.00	0.00	0.00	0.08	177.89
17	0.00	0.00	0.00	0.00	0.08	177.81
18	0.00	0.00	0.00	0.00	0.08	177.73
19	0.00	0.00	0.00	0.00	0.08	177.65
20	0.00	0.00	0.00	0.00	0.08	177.57
21	0.00	0.00	0.00	0.00	0.08	177.49
22	0.00	0.00	0.00	0.00	0.08	177.41
23	0.00	0.00	0.00	0.00	0.08	177.33
24	0.00	0.00	0.00	0.00	0.08	177.25
25	0.00	0.00	0.00	0.00	0.08	177.17
26	0.00	0.00	0.00	0.00	0.08	177.09
27	0.00	0.00	0.00	0.00	0.08	177.01
28	0.00	0.00	0.00	0.00	0.08	176.93
29	0.00	0.00	0.00	0.00	0.08	176.85
30	0.00	0.00	0.00	0.00	0.08	176.77
	0.00	0.00	0.00	0.00	2.40	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						33.11
1	0.00	0.00	0.00	0.00	0.01	33.10
2	0.00	0.00	0.00	0.00	0.01	33.09
3	0.00	0.00	0.00	0.00	0.01	33.08
4	0.00	0.00	0.00	0.00	0.01	33.07
5	0.00	0.00	0.00	0.00	0.01	33.06
6	0.00	0.00	0.00	0.00	0.01	33.05
7	0.00	0.00	0.00	0.00	0.01	33.04
8	0.00	0.00	0.00	0.00	0.01	33.03
9	0.00	0.00	0.00	0.00	0.01	33.02
10	0.00	0.00	0.00	0.00	0.01	33.01
11	0.00	0.00	0.00	0.00	0.01	33.00
12	0.00	0.00	0.00	0.00	0.01	32.99
13	0.00	0.00	0.00	0.00	0.01	32.98
14	0.00	0.00	0.00	0.00	0.01	32.97
15	0.00	0.00	0.00	0.00	0.01	32.96
16	0.00	0.00	0.00	0.00	0.01	32.95
17	0.00	0.00	0.00	0.00	0.01	32.94
18	0.00	0.00	0.00	0.00	0.01	32.93
19	0.00	0.00	0.00	0.00	0.01	32.92
20	0.00	0.00	0.00	0.00	0.01	32.91
21	0.00	0.00	0.00	0.00	0.01	32.90
22	0.00	0.00	0.00	0.00	0.01	32.89
23	0.00	0.00	0.00	0.00	0.01	32.88
24	0.00	0.00	0.00	0.00	0.01	32.87
25	0.00	0.00	0.00	0.00	0.01	32.86
26	0.00	0.00	0.00	0.00	0.01	32.85
27	0.00	0.00	0.00	0.00	0.01	32.84
28	0.00	0.00	0.00	0.00	0.01	32.83
29	0.00	0.00	0.00	0.00	0.01	32.82
30	0.00	0.00	0.00	0.00	0.01	32.81
	0.00	0.00	0.00	0.00	0.30	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2229.32
1	0.00	0.00	0.00	0.00	1.01	2228.31
2	0.00	0.00	0.00	0.00	1.01	2227.30
3	0.00	0.00	0.00	0.00	1.01	2226.29
4	0.00	0.00	0.00	0.00	1.00	2225.29
5	0.00	0.00	0.00	0.00	1.00	2224.29
6	0.00	0.00	0.00	0.00	1.00	2223.29
7	0.00	0.00	0.00	0.00	1.00	2222.29
8	0.00	0.00	0.00	0.00	1.00	2221.29
9	0.00	0.00	0.00	0.00	1.00	2220.29
10	0.00	0.00	0.00	0.00	1.00	2219.29
11	0.00	0.00	0.00	0.00	1.00	2218.29
12	0.00	0.00	0.00	0.00	0.99	2217.30
13	0.00	0.00	0.00	0.00	0.99	2216.31
14	0.00	0.00	0.00	0.00	0.99	2215.32
15	0.00	0.00	0.00	0.00	0.99	2214.33
16	0.00	0.00	0.00	0.00	0.99	2213.34
17	0.00	0.00	0.00	0.00	0.99	2212.35
18	0.00	0.00	0.00	0.00	0.98	2211.37
19	0.00	0.00	0.00	0.00	0.98	2210.39
20	0.00	0.00	0.00	0.00	0.97	2209.42
21	0.00	0.00	0.00	0.00	0.97	2208.45
22	0.00	0.00	0.00	0.00	0.97	2207.48
23	0.00	0.00	0.00	0.00	0.97	2206.51
24	0.00	0.00	0.00	0.00	0.97	2205.54
25	0.00	0.00	0.00	0.00	0.96	2204.58
26	0.00	0.00	0.00	0.00	0.96	2203.62
27	0.00	0.00	0.00	0.00	0.95	2202.67
28	0.00	0.00	0.00	0.00	0.95	2201.72
29	0.00	0.00	0.00	0.00	0.95	2200.77
30	0.00	0.00	3.86	0.00	0.95	2195.96
	0.00	0.00	3.86	0.00	29.50	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						31.36
1	0.00	0.00	0.00	0.00	0.01	31.35
2	0.00	0.00	0.00	0.00	0.01	31.34
3	0.00	0.00	0.00	0.00	0.01	31.33
4	0.00	0.00	0.00	0.00	0.01	31.32
5	0.00	0.00	0.00	0.00	0.01	31.31
6	0.00	0.00	0.00	0.00	0.01	31.30
7	0.00	0.00	0.00	0.00	0.01	31.29
8	0.00	0.00	0.00	0.00	0.01	31.28
9	0.00	0.00	0.00	0.00	0.01	31.27
10	0.00	0.00	0.00	0.00	0.01	31.26
11	0.00	0.00	0.00	0.00	0.01	31.25
12	0.00	0.00	0.00	0.00	0.01	31.24
13	0.00	0.00	0.00	0.00	0.01	31.23
14	0.00	0.00	0.00	0.00	0.01	31.22
15	0.00	0.00	0.00	0.00	0.01	31.21
16	0.00	0.00	0.00	0.00	0.01	31.20
17	0.00	0.00	0.00	0.00	0.01	31.19
18	0.00	0.00	0.00	0.00	0.01	31.18
19	0.00	0.00	0.00	0.00	0.01	31.17
20	0.00	0.00	0.00	0.00	0.01	31.16
21	0.00	0.00	0.00	0.00	0.01	31.15
22	0.00	0.00	0.00	0.00	0.01	31.14
23	0.00	0.00	0.00	0.00	0.01	31.13
24	0.00	0.00	0.00	0.00	0.01	31.12
25	0.00	0.00	0.00	0.00	0.01	31.11
26	0.00	0.00	0.00	0.00	0.01	31.10
27	0.00	0.00	0.00	0.00	0.01	31.09
28	0.00	0.00	0.00	0.00	0.01	31.08
29	0.00	0.00	0.00	0.00	0.01	31.07
30	0.00	0.00	0.00	0.00	0.01	31.06
	0.00	0.00	0.00	0.00	0.30	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						340.28
1	0.00	0.00	0.00	0.00	0.15	340.13
2	0.00	0.00	0.00	0.00	0.15	339.98
3	0.00	0.00	0.00	0.00	0.15	339.83
4	0.00	0.00	0.00	0.00	0.15	339.68
5	0.00	0.00	0.00	0.00	0.15	339.53
6	0.00	0.00	0.00	0.00	0.15	339.38
7	0.00	0.00	0.00	0.00	0.15	339.23
8	0.00	0.00	0.00	0.00	0.15	339.08
9	0.00	0.00	0.00	0.00	0.15	338.93
10	0.00	0.00	0.00	0.00	0.15	338.78
11	0.00	0.00	0.00	0.00	0.15	338.63
12	0.00	0.00	0.00	0.00	0.15	338.48
13	0.00	0.00	0.00	0.00	0.15	338.33
14	0.00	0.00	0.00	0.00	0.15	338.18
15	0.00	0.00	0.00	0.00	0.15	338.03
16	0.00	0.00	0.00	0.00	0.15	337.88
17	0.00	0.00	0.00	0.00	0.15	337.73
18	0.00	0.00	0.00	0.00	0.15	337.58
19	0.00	0.00	0.00	0.00	0.15	337.43
20	0.00	0.00	0.00	0.00	0.15	337.28
21	0.00	0.00	0.00	0.00	0.15	337.13
22	0.00	0.00	0.00	0.00	0.15	336.98
23	0.00	0.00	0.00	0.00	0.15	336.83
24	0.00	0.00	0.00	0.00	0.15	336.68
25	0.00	0.00	0.00	0.00	0.15	336.53
26	0.00	0.00	0.00	0.00	0.15	336.38
27	0.00	0.00	0.00	0.00	0.15	336.23
28	0.00	0.00	0.00	0.00	0.15	336.08
29	0.00	0.00	0.00	0.00	0.14	335.94
30	0.00	0.00	0.00	0.00	0.14	335.80
	0.00	0.00	0.00	0.00	4.48	

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

June 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2020

Dear Mr. Lewis 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 April 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of December, 2020.

Table 1 shows the amount of pumping during the month of December 2020 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 16% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those

reaches during 5 days in December. In Reaches 14, 15 and 16, no replacements were made to senior surface water rights caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches during December 2020.
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.

There were no deliveries to the Offset Account in the month of December 2020.

As of December 31, 2020, a total of 5,405.29 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December 2020 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
December 2020

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	7.55	4.67
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	39.27	19.64
6	ROCKY FORD HIGHLINE	7.21	2.6
7	OXFORD	7.63	2.84
8	OTERO	1.12	0.4
9	CATLIN	0.01	0
10	FORT LYON US	16.79	11.53
11	ROCKY FORD	0	0
12	HOLBROOK	0.18	0.06
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	0	0
15	FORT BENT	0	0
17	AMITY	0.02	0.01
18	LAMAR/MANVEL	0	0
19	HYDE	0	0
20	FORT LYON DS	51.78	30.39
21	XY GRAHAM	0	0
22	BUFFALO	0.16	0.06
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	131.72	72.2

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
December 2020

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	0.01	0.00	0.00	12.22	0.00	0.06	0.00	0.00	12.29

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
December 2020

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		17.84	35.12	137.27	119.51	57.29	91.53	200.34	639.50	42.12	1340.52	
Depletion to Usable SL Flow		6.23	12.26	47.91	41.71	19.99	31.94	69.92	223.19	14.70	467.84	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0
Lamar Granada East/West									0.00		0.00	0.00
Ft Bent Ditch Shares	0				0.00						0.00	0
Stubbs Direct Flow	0	0	0	0	0	0	0	0	0		0.00	0
XY Direct Flow	0					0.00					0.00	0
Manvel Direct Flow	0					0					0.00	0
Offset Account Release Credit	3787.08									467.84	467.84	2678.93
Offset Account Transit Loss	0	0.00			0.00			0.00			0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	467.84	467.84	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The SWSP and Decreed Augmentation Plan depletions balance of 640.31 acre-feet was brought to zero using Offset Account release credits.

Enclosure 1

John Martin Offset Accounting for December 2020

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5452.59
1	0.00	0.00	0.00	0.00	2.09	5450.50
2	0.00	0.00	0.00	0.00	2.09	5448.41
3	0.00	0.00	0.00	0.00	2.08	5446.33
4	0.00	0.00	0.00	0.00	2.08	5444.25
5	0.00	0.00	0.00	0.00	2.07	5442.18
6	0.00	0.00	0.00	0.00	2.07	5440.11
7	0.00	0.00	0.00	0.00	2.07	5438.04
8	0.00	0.00	0.00	0.00	2.06	5435.98
9	0.00	0.00	0.00	0.00	2.06	5433.92
10	0.00	0.00	0.00	0.00	2.05	5431.87
11	0.00	0.00	0.00	0.00	2.05	5429.82
12	0.00	0.00	0.00	0.00	2.05	5427.77
13	0.00	0.00	0.00	0.00	2.05	5425.72
14	0.00	0.00	0.00	0.00	2.03	5423.69
15	0.00	0.00	0.00	0.00	2.03	5421.66
16	0.00	0.00	0.00	0.00	1.31	5420.35
17	0.00	0.00	0.00	0.00	1.01	5419.34
18	0.00	0.00	0.00	0.00	1.01	5418.33
19	0.00	0.00	0.00	0.00	1.01	5417.32
20	0.00	0.00	0.00	0.00	0.80	5416.52
21	0.00	0.00	0.00	0.00	0.69	5415.83
22	0.00	0.00	0.00	0.00	0.50	5415.33
23	0.00	0.00	0.00	0.00	0.80	5414.53
24	0.00	0.00	0.00	0.00	0.91	5413.62
25	0.00	0.00	0.00	0.00	0.91	5412.71
26	0.00	0.00	0.00	0.00	0.99	5411.72
27	0.00	0.00	0.00	0.00	1.29	5410.43
28	0.00	0.00	0.00	0.00	1.29	5409.14
29	0.00	0.00	0.00	0.00	1.79	5407.35
30	0.00	0.00	0.00	0.00	0.10	5407.25
31	0.00	0.00	0.00	0.00	1.96	5405.29
	0.00	0.00	0.00	0.00	47.30	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2531.76
1	0.00	0.00	0.00	0.00	0.97	2530.79
2	0.00	0.00	0.00	0.00	0.97	2529.82
3	0.00	0.00	0.00	0.00	0.97	2528.85
4	0.00	0.00	0.00	0.00	0.97	2527.88
5	0.00	0.00	0.00	0.00	0.96	2526.92
6	0.00	0.00	0.00	0.00	0.96	2525.96
7	0.00	0.00	0.00	0.00	0.96	2525.00
8	0.00	0.00	0.00	0.00	0.96	2524.04
9	0.00	0.00	0.00	0.00	0.96	2523.08
10	0.00	0.00	0.00	0.00	0.95	2522.13
11	0.00	0.00	0.00	0.00	0.95	2521.18
12	0.00	0.00	0.00	0.00	0.95	2520.23
13	0.00	0.00	0.00	0.00	0.95	2519.28
14	0.00	0.00	0.00	0.00	0.94	2518.34
15	0.00	0.00	0.00	0.00	0.94	2517.40
16	0.00	0.00	0.00	0.00	0.61	2516.79
17	0.00	0.00	0.00	0.00	0.47	2516.32
18	0.00	0.00	0.00	0.00	0.47	2515.85
19	0.00	0.00	0.00	0.00	0.47	2515.38
20	0.00	0.00	0.00	0.00	0.37	2515.01
21	0.00	0.00	0.00	0.00	0.32	2514.69
22	0.00	0.00	0.00	0.00	0.23	2514.46
23	0.00	0.00	0.00	0.00	0.37	2514.09
24	0.00	0.00	0.00	0.00	0.42	2513.67
25	0.00	0.00	0.00	0.00	0.42	2513.25
26	0.00	0.00	0.00	0.00	0.46	2512.79
27	0.00	0.00	0.00	0.00	0.60	2512.19
28	0.00	0.00	0.00	0.00	0.60	2511.59
29	0.00	0.00	0.00	0.00	0.83	2510.76
30	0.00	0.00	0.00	0.00	0.05	2510.71
31	0.00	0.00	0.00	0.00	0.91	2509.80
	0.00	0.00	0.00	0.00	21.96	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5419.78
1	0.00	0.00	0.00	0.00	2.08	5417.70
2	0.00	0.00	0.00	0.00	2.08	5415.62
3	0.00	0.00	0.00	0.00	2.07	5413.55
4	0.00	0.00	0.00	0.00	2.07	5411.48
5	0.00	0.00	0.00	0.00	2.06	5409.42
6	0.00	0.00	0.00	0.00	2.06	5407.36
7	0.00	0.00	0.00	0.00	2.06	5405.30
8	0.00	0.00	0.00	0.00	2.05	5403.25
9	0.00	0.00	0.00	0.00	2.05	5401.20
10	0.00	0.00	0.00	0.00	2.04	5399.16
11	0.00	0.00	0.00	0.00	2.04	5397.12
12	0.00	0.00	0.00	0.00	2.04	5395.08
13	0.00	0.00	0.00	0.00	2.04	5393.04
14	0.00	0.00	0.00	0.00	2.02	5391.02
15	0.00	0.00	0.00	0.00	2.02	5389.00
16	0.00	0.00	0.00	0.00	1.30	5387.70
17	0.00	0.00	0.00	0.00	1.00	5386.70
18	0.00	0.00	0.00	0.00	1.00	5385.70
19	0.00	0.00	0.00	0.00	1.00	5384.70
20	0.00	0.00	0.00	0.00	0.80	5383.90
21	0.00	0.00	0.00	0.00	0.69	5383.21
22	0.00	0.00	0.00	0.00	0.50	5382.71
23	0.00	0.00	0.00	0.00	0.80	5381.91
24	0.00	0.00	0.00	0.00	0.90	5381.01
25	0.00	0.00	0.00	0.00	0.90	5380.11
26	0.00	0.00	0.00	0.00	0.98	5379.13
27	0.00	0.00	0.00	0.00	1.28	5377.85
28	0.00	0.00	0.00	0.00	1.28	5376.57
29	0.00	0.00	0.00	0.00	1.78	5374.79
30	0.00	0.00	0.00	0.00	0.10	5374.69
31	0.00	0.00	0.00	0.00	1.95	5372.74
	0.00	0.00	0.00	0.00	47.04	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2718.91
1	0.00	0.00	0.00	0.00	1.04	2717.87
2	0.00	0.00	0.00	0.00	1.04	2716.83
3	0.00	0.00	0.00	0.00	1.03	2715.80
4	0.00	0.00	0.00	0.00	1.03	2714.77
5	0.00	0.00	0.00	0.00	1.03	2713.74
6	0.00	0.00	0.00	0.00	1.03	2712.71
7	0.00	0.00	0.00	0.00	1.03	2711.68
8	0.00	0.00	0.00	0.00	1.02	2710.66
9	0.00	0.00	0.00	0.00	1.02	2709.64
10	0.00	0.00	0.00	0.00	1.02	2708.62
11	0.00	0.00	0.00	0.00	1.02	2707.60
12	0.00	0.00	0.00	0.00	1.02	2706.58
13	0.00	0.00	0.00	0.00	1.02	2705.56
14	0.00	0.00	0.00	0.00	1.01	2704.55
15	0.00	0.00	0.00	0.00	1.01	2703.54
16	0.00	0.00	0.00	0.00	0.65	2702.89
17	0.00	0.00	0.00	0.00	0.50	2702.39
18	0.00	0.00	0.00	0.00	0.50	2701.89
19	0.00	0.00	0.00	0.00	0.50	2701.39
20	0.00	0.00	0.00	0.00	0.40	2700.99
21	0.00	0.00	0.00	0.00	0.35	2700.64
22	0.00	0.00	0.00	0.00	0.25	2700.39
23	0.00	0.00	0.00	0.00	0.40	2699.99
24	0.00	0.00	0.00	0.00	0.45	2699.54
25	0.00	0.00	0.00	0.00	0.45	2699.09
26	0.00	0.00	0.00	0.00	0.49	2698.60
27	0.00	0.00	0.00	0.00	0.64	2697.96
28	0.00	0.00	0.00	0.00	0.64	2697.32
29	0.00	0.00	0.00	0.00	0.89	2696.43
30	0.00	0.00	0.00	0.00	0.05	2696.38
31	0.00	0.00	0.00	0.00	0.98	2695.40
	0.00	0.00	0.00	0.00	23.51	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						176.77
1	0.00	0.00	0.00	0.00	0.07	176.70
2	0.00	0.00	0.00	0.00	0.07	176.63
3	0.00	0.00	0.00	0.00	0.07	176.56
4	0.00	0.00	0.00	0.00	0.07	176.49
5	0.00	0.00	0.00	0.00	0.07	176.42
6	0.00	0.00	0.00	0.00	0.07	176.35
7	0.00	0.00	0.00	0.00	0.07	176.28
8	0.00	0.00	0.00	0.00	0.07	176.21
9	0.00	0.00	0.00	0.00	0.07	176.14
10	0.00	0.00	0.00	0.00	0.07	176.07
11	0.00	0.00	0.00	0.00	0.07	176.00
12	0.00	0.00	0.00	0.00	0.07	175.93
13	0.00	0.00	0.00	0.00	0.07	175.86
14	0.00	0.00	0.00	0.00	0.07	175.79
15	0.00	0.00	0.00	0.00	0.07	175.72
16	0.00	0.00	0.00	0.00	0.04	175.68
17	0.00	0.00	0.00	0.00	0.03	175.65
18	0.00	0.00	0.00	0.00	0.03	175.62
19	0.00	0.00	0.00	0.00	0.03	175.59
20	0.00	0.00	0.00	0.00	0.03	175.56
21	0.00	0.00	0.00	0.00	0.02	175.54
22	0.00	0.00	0.00	0.00	0.02	175.52
23	0.00	0.00	0.00	0.00	0.03	175.49
24	0.00	0.00	0.00	0.00	0.03	175.46
25	0.00	0.00	0.00	0.00	0.03	175.43
26	0.00	0.00	0.00	0.00	0.03	175.40
27	0.00	0.00	0.00	0.00	0.04	175.36
28	0.00	0.00	0.00	0.00	0.04	175.32
29	0.00	0.00	0.00	0.00	0.06	175.26
30	0.00	0.00	0.00	0.00	0.00	175.26
31	0.00	0.00	0.00	0.00	0.06	175.20
	0.00	0.00	0.00	0.00	1.57	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.81
1	0.00	0.00	0.00	0.00	0.01	32.80
2	0.00	0.00	0.00	0.00	0.01	32.79
3	0.00	0.00	0.00	0.00	0.01	32.78
4	0.00	0.00	0.00	0.00	0.01	32.77
5	0.00	0.00	0.00	0.00	0.01	32.76
6	0.00	0.00	0.00	0.00	0.01	32.75
7	0.00	0.00	0.00	0.00	0.01	32.74
8	0.00	0.00	0.00	0.00	0.01	32.73
9	0.00	0.00	0.00	0.00	0.01	32.72
10	0.00	0.00	0.00	0.00	0.01	32.71
11	0.00	0.00	0.00	0.00	0.01	32.70
12	0.00	0.00	0.00	0.00	0.01	32.69
13	0.00	0.00	0.00	0.00	0.01	32.68
14	0.00	0.00	0.00	0.00	0.01	32.67
15	0.00	0.00	0.00	0.00	0.01	32.66
16	0.00	0.00	0.00	0.00	0.01	32.65
17	0.00	0.00	0.00	0.00	0.01	32.64
18	0.00	0.00	0.00	0.00	0.01	32.63
19	0.00	0.00	0.00	0.00	0.01	32.62
20	0.00	0.00	0.00	0.00	0.00	32.62
21	0.00	0.00	0.00	0.00	0.00	32.62
22	0.00	0.00	0.00	0.00	0.00	32.62
23	0.00	0.00	0.00	0.00	0.00	32.62
24	0.00	0.00	0.00	0.00	0.01	32.61
25	0.00	0.00	0.00	0.00	0.01	32.60
26	0.00	0.00	0.00	0.00	0.01	32.59
27	0.00	0.00	0.00	0.00	0.01	32.58
28	0.00	0.00	0.00	0.00	0.01	32.57
29	0.00	0.00	0.00	0.00	0.01	32.56
30	0.00	0.00	0.00	0.00	0.00	32.56
31	0.00	0.00	0.00	0.00	0.01	32.55
	0.00	0.00	0.00	0.00	0.26	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2195.96
1	0.00	0.00	0.00	0.00	0.84	2195.12
2	0.00	0.00	0.00	0.00	0.84	2194.28
3	0.00	0.00	0.00	0.00	0.84	2193.44
4	0.00	0.00	0.00	0.00	0.84	2192.60
5	0.00	0.00	0.00	0.00	0.83	2191.77
6	0.00	0.00	0.00	0.00	0.83	2190.94
7	0.00	0.00	0.00	0.00	0.83	2190.11
8	0.00	0.00	0.00	0.00	0.83	2189.28
9	0.00	0.00	0.00	0.00	0.83	2188.45
10	0.00	0.00	0.00	0.00	0.82	2187.63
11	0.00	0.00	0.00	0.00	0.82	2186.81
12	0.00	0.00	0.00	0.00	0.82	2185.99
13	0.00	0.00	0.00	0.00	0.82	2185.17
14	0.00	0.00	0.00	0.00	0.82	2184.35
15	0.00	0.00	0.00	0.00	0.82	2183.53
16	0.00	0.00	0.00	0.00	0.53	2183.00
17	0.00	0.00	0.00	0.00	0.41	2182.59
18	0.00	0.00	0.00	0.00	0.41	2182.18
19	0.00	0.00	0.00	0.00	0.41	2181.77
20	0.00	0.00	0.00	0.00	0.32	2181.45
21	0.00	0.00	0.00	0.00	0.28	2181.17
22	0.00	0.00	0.00	0.00	0.20	2180.97
23	0.00	0.00	0.00	0.00	0.32	2180.65
24	0.00	0.00	0.00	0.00	0.36	2180.29
25	0.00	0.00	0.00	0.00	0.36	2179.93
26	0.00	0.00	0.00	0.00	0.40	2179.53
27	0.00	0.00	0.00	0.00	0.52	2179.01
28	0.00	0.00	0.00	0.00	0.52	2178.49
29	0.00	0.00	0.00	0.00	0.72	2177.77
30	0.00	0.00	0.00	0.00	0.04	2177.73
31	0.00	0.00	0.00	0.00	0.79	2176.94
	0.00	0.00	0.00	0.00	19.02	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						31.06
1	0.00	0.00	0.00	0.00	0.01	31.05
2	0.00	0.00	0.00	0.00	0.01	31.04
3	0.00	0.00	0.00	0.00	0.01	31.03
4	0.00	0.00	0.00	0.00	0.01	31.02
5	0.00	0.00	0.00	0.00	0.01	31.01
6	0.00	0.00	0.00	0.00	0.01	31.00
7	0.00	0.00	0.00	0.00	0.01	30.99
8	0.00	0.00	0.00	0.00	0.01	30.98
9	0.00	0.00	0.00	0.00	0.01	30.97
10	0.00	0.00	0.00	0.00	0.01	30.96
11	0.00	0.00	0.00	0.00	0.01	30.95
12	0.00	0.00	0.00	0.00	0.01	30.94
13	0.00	0.00	0.00	0.00	0.01	30.93
14	0.00	0.00	0.00	0.00	0.01	30.92
15	0.00	0.00	0.00	0.00	0.01	30.91
16	0.00	0.00	0.00	0.00	0.01	30.90
17	0.00	0.00	0.00	0.00	0.01	30.89
18	0.00	0.00	0.00	0.00	0.01	30.88
19	0.00	0.00	0.00	0.00	0.01	30.87
20	0.00	0.00	0.00	0.00	0.00	30.87
21	0.00	0.00	0.00	0.00	0.00	30.87
22	0.00	0.00	0.00	0.00	0.00	30.87
23	0.00	0.00	0.00	0.00	0.00	30.87
24	0.00	0.00	0.00	0.00	0.01	30.86
25	0.00	0.00	0.00	0.00	0.01	30.85
26	0.00	0.00	0.00	0.00	0.01	30.84
27	0.00	0.00	0.00	0.00	0.01	30.83
28	0.00	0.00	0.00	0.00	0.01	30.82
29	0.00	0.00	0.00	0.00	0.01	30.81
30	0.00	0.00	0.00	0.00	0.00	30.81
31	0.00	0.00	0.00	0.00	0.01	30.80
	0.00	0.00	0.00	0.00	0.26	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						335.80
1	0.00	0.00	0.00	0.00	0.13	335.67
2	0.00	0.00	0.00	0.00	0.13	335.54
3	0.00	0.00	0.00	0.00	0.13	335.41
4	0.00	0.00	0.00	0.00	0.13	335.28
5	0.00	0.00	0.00	0.00	0.13	335.15
6	0.00	0.00	0.00	0.00	0.13	335.02
7	0.00	0.00	0.00	0.00	0.13	334.89
8	0.00	0.00	0.00	0.00	0.13	334.76
9	0.00	0.00	0.00	0.00	0.13	334.63
10	0.00	0.00	0.00	0.00	0.13	334.50
11	0.00	0.00	0.00	0.00	0.13	334.37
12	0.00	0.00	0.00	0.00	0.13	334.24
13	0.00	0.00	0.00	0.00	0.13	334.11
14	0.00	0.00	0.00	0.00	0.12	333.99
15	0.00	0.00	0.00	0.00	0.12	333.87
16	0.00	0.00	0.00	0.00	0.08	333.79
17	0.00	0.00	0.00	0.00	0.06	333.73
18	0.00	0.00	0.00	0.00	0.06	333.67
19	0.00	0.00	0.00	0.00	0.06	333.61
20	0.00	0.00	0.00	0.00	0.05	333.56
21	0.00	0.00	0.00	0.00	0.04	333.52
22	0.00	0.00	0.00	0.00	0.03	333.49
23	0.00	0.00	0.00	0.00	0.05	333.44
24	0.00	0.00	0.00	0.00	0.06	333.38
25	0.00	0.00	0.00	0.00	0.06	333.32
26	0.00	0.00	0.00	0.00	0.06	333.26
27	0.00	0.00	0.00	0.00	0.08	333.18
28	0.00	0.00	0.00	0.00	0.08	333.10
29	0.00	0.00	0.00	0.00	0.11	332.99
30	0.00	0.00	0.00	0.00	0.01	332.98
31	0.00	0.00	0.00	0.00	0.12	332.86
	0.00	0.00	0.00	0.00	2.94	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

June 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of January 2021 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 no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches January 2021.

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.

There were no deliveries to the Offset Account in the month of January 2021.

Colorado Water Protective and Development Association (CWPDA) transferred 10.69 acre-feet out of the Consumable Upstream subaccount to the Conservation Storage – Winter Water account to cover the Catlin Augmentation Association's (CAA) return flow obligation as prescribed in Case No. 12CW94 on January 5, 2021. CWPDA transferred 1,001.28 acre-feet out of the Consumable Upstream subaccount to the Conservation Storage – Winter Water account to cover depletions to conservation storage by CWPDA Rule 14 Plan operations on January 29, 2021. This transfer was to cover November, December and January depletions. The total transferred out of the Offset Account for the month of January 2021 was 1,011.97 acre-feet.

After running the H-I Model for 2020, the Ten-year Accounting of Depletions and Accretions to Usable Stateline Flow showed a deficit of 62 acre-feet at the state line. Lower Arkansas Water Management Association (LAWMA) will make up that shortfall pursuant to Appendix A.2. In addition, LAWMA had a deficit of 1,052.42 acre-feet at the state line, which LAWMA will replace with a transfer within the Offset Account.

As of January 31, 2021, a total of 4,346.09 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of January 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
January 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1.69	0.73
2	BOOTH ORCHARD	0.34	0.17
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0	0
6	ROCKY FORD HIGHLINE	5.88	2.12
7	OXFORD	0.08	0.03
8	OTERO	0	0
9	CATLIN	0.02	0.01
10	FORT LYON US	0.68	.025
11	ROCKY FORD	0	0
12	HOLBROOK	0.04	0.01
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	0	0
15	FORT BENT	0	0
17	AMITY	0	0
18	LAMAR/MANVEL	0	0
19	HYDE	0	0
20	FORT LYON DS	23.77	8.55
21	XY GRAHAM	0	0
22	BUFFALO	0.18	0.07
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	32.68	11.94

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
January 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	0.00	0.00	9.89	8.55	0.00	0.07	0.00	0.00	18.51

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
January 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		18.59	36.03	137.93	105.71	50.73	81.87	180.60	639.50	38.08	1289.04	
Depletion to Usable SL Flow		6.49	12.57	48.14	36.89	17.70	28.57	63.03	223.19	13.29	449.87	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0
Lamar Granada East/West									0.00		0.00	0.00
Ft Bent Ditch Shares	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0
Stubbs Direct Flow	0	0	0	0	0	0	0	0	0		0.00	0
XY Direct Flow	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0		0.00	0
Manvel Direct Flow	0	0	0	0	0	0	0	0	0		0.00	0
Offset Account Release Credit	2678.93									449.87	449.87	-1052.42
Offset Account Transit Loss	0	0.00			0.00			0.00			0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	449.87	449.87	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The SWSP and Decreed Augmentation Plan depletions balance of 602.55 acre-feet was not brought to zero. The Offset Account credits were reset to 0 acre-feet in January 2021 on June 1, 2021 pursuant to a new H-I Model run for 2020.

Enclosure 1

John Martin Offset Accounting for January 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5405.29
1	0.00	0.00	0.00	0.00	1.96	5403.33
2	0.00	0.00	0.00	0.00	1.94	5401.39
3	0.00	0.00	0.00	0.00	1.27	5400.12
4	0.00	0.00	0.00	0.00	0.30	5399.82
5	0.00	0.00	10.69	0.00	1.47	5387.66
6	0.00	0.00	0.00	0.00	1.89	5385.77
7	0.00	0.00	0.00	0.00	1.16	5384.61
8	0.00	0.00	0.00	0.00	1.34	5383.27
9	0.00	0.00	0.00	0.00	1.62	5381.65
10	0.00	0.00	0.00	0.00	1.84	5379.81
11	0.00	0.00	0.00	0.00	1.81	5378.00
12	0.00	0.00	0.00	0.00	1.75	5376.25
13	0.00	0.00	0.00	0.00	1.86	5374.39
14	0.00	0.00	0.00	0.00	1.84	5372.55
15	0.00	0.00	0.00	0.00	1.82	5370.73
16	0.00	0.00	0.00	0.00	1.82	5368.91
17	0.00	0.00	0.00	0.00	1.82	5367.09
18	0.00	0.00	0.00	0.00	1.84	5365.25
19	0.00	0.00	0.00	0.00	1.84	5363.41
20	0.00	0.00	0.00	0.00	1.82	5361.59
21	0.00	0.00	0.00	0.00	1.75	5359.84
22	0.00	0.00	0.00	0.00	1.86	5357.98
23	0.00	0.00	0.00	0.00	1.86	5356.12
24	0.00	0.00	0.00	0.00	1.73	5354.39
25	0.00	0.00	0.00	0.00	1.66	5352.73
26	0.00	0.00	0.00	0.00	1.02	5351.71
27	0.00	0.00	0.00	0.00	0.28	5351.43
28	0.00	0.00	0.00	0.00	0.28	5351.15
29	0.00	0.00	1001.28	0.00	1.82	4348.05
30	0.00	0.00	0.00	0.00	1.48	4346.57
31	0.00	0.00	0.00	0.00	0.48	4346.09
	0.00	0.00	1011.97	0.00	47.23	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2509.80
1	0.00	0.00	0.00	0.00	0.91	2508.89
2	0.00	0.00	0.00	0.00	0.90	2507.99
3	0.00	0.00	0.00	0.00	0.59	2507.40
4	0.00	0.00	0.00	0.00	0.14	2507.26
5	0.00	0.00	10.69	0.00	0.68	2495.89
6	0.00	0.00	0.00	0.00	0.88	2495.01
7	0.00	0.00	0.00	0.00	0.53	2494.48
8	0.00	0.00	0.00	0.00	0.62	2493.86
9	0.00	0.00	0.00	0.00	0.75	2493.11
10	0.00	0.00	0.00	0.00	0.85	2492.26
11	0.00	0.00	0.00	0.00	0.84	2491.42
12	0.00	0.00	0.00	0.00	0.81	2490.61
13	0.00	0.00	0.00	0.00	0.86	2489.75
14	0.00	0.00	0.00	0.00	0.85	2488.90
15	0.00	0.00	0.00	0.00	0.84	2488.06
16	0.00	0.00	0.00	0.00	0.84	2487.22
17	0.00	0.00	0.00	0.00	0.84	2486.38
18	0.00	0.00	0.00	0.00	0.85	2485.53
19	0.00	0.00	0.00	0.00	0.85	2484.68
20	0.00	0.00	0.00	0.00	0.84	2483.84
21	0.00	0.00	0.00	0.00	0.81	2483.03
22	0.00	0.00	0.00	0.00	0.86	2482.17
23	0.00	0.00	0.00	0.00	0.86	2481.31
24	0.00	0.00	0.00	0.00	0.80	2480.51
25	0.00	0.00	0.00	0.00	0.77	2479.74
26	0.00	0.00	0.00	0.00	0.47	2479.27
27	0.00	0.00	0.00	0.00	0.13	2479.14
28	0.00	0.00	0.00	0.00	0.13	2479.01
29	0.00	0.00	1001.28	0.00	0.84	1476.89
30	0.00	0.00	0.00	0.00	0.50	1476.39
31	0.00	0.00	0.00	0.00	0.17	1476.22
	0.00	0.00	1011.97	0.00	21.61	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5372.74
1	0.00	0.00	0.00	0.00	1.95	5370.79
2	0.00	0.00	0.00	0.00	1.93	5368.86
3	0.00	0.00	0.00	0.00	1.26	5367.60
4	0.00	0.00	0.00	0.00	0.30	5367.30
5	0.00	0.00	10.69	0.00	1.46	5355.15
6	0.00	0.00	0.00	0.00	1.88	5353.27
7	0.00	0.00	0.00	0.00	1.15	5352.12
8	0.00	0.00	0.00	0.00	1.33	5350.79
9	0.00	0.00	0.00	0.00	1.61	5349.18
10	0.00	0.00	0.00	0.00	1.83	5347.35
11	0.00	0.00	0.00	0.00	1.80	5345.55
12	0.00	0.00	0.00	0.00	1.74	5343.81
13	0.00	0.00	0.00	0.00	1.85	5341.96
14	0.00	0.00	0.00	0.00	1.83	5340.13
15	0.00	0.00	0.00	0.00	1.81	5338.32
16	0.00	0.00	0.00	0.00	1.81	5336.51
17	0.00	0.00	0.00	0.00	1.81	5334.70
18	0.00	0.00	0.00	0.00	1.83	5332.87
19	0.00	0.00	0.00	0.00	1.83	5331.04
20	0.00	0.00	0.00	0.00	1.81	5329.23
21	0.00	0.00	0.00	0.00	1.74	5327.49
22	0.00	0.00	0.00	0.00	1.85	5325.64
23	0.00	0.00	0.00	0.00	1.85	5323.79
24	0.00	0.00	0.00	0.00	1.72	5322.07
25	0.00	0.00	0.00	0.00	1.65	5320.42
26	0.00	0.00	0.00	0.00	1.01	5319.41
27	0.00	0.00	0.00	0.00	0.28	5319.13
28	0.00	0.00	0.00	0.00	0.28	5318.85
29	0.00	0.00	1001.28	0.00	1.81	4315.76
30	0.00	0.00	0.00	0.00	1.47	4314.29
31	0.00	0.00	0.00	0.00	0.48	4313.81
	0.00	0.00	1011.97	0.00	46.96	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2695.40
1	0.00	0.00	0.00	0.00	0.98	2694.42
2	0.00	0.00	0.00	0.00	0.97	2693.45
3	0.00	0.00	0.00	0.00	0.63	2692.82
4	0.00	0.00	0.00	0.00	0.15	2692.67
5	0.00	0.00	0.00	0.00	0.73	2691.94
6	0.00	0.00	0.00	0.00	0.94	2691.00
7	0.00	0.00	0.00	0.00	0.58	2690.42
8	0.00	0.00	0.00	0.00	0.67	2689.75
9	0.00	0.00	0.00	0.00	0.81	2688.94
10	0.00	0.00	0.00	0.00	0.92	2688.02
11	0.00	0.00	0.00	0.00	0.90	2687.12
12	0.00	0.00	0.00	0.00	0.87	2686.25
13	0.00	0.00	0.00	0.00	0.93	2685.32
14	0.00	0.00	0.00	0.00	0.92	2684.40
15	0.00	0.00	0.00	0.00	0.91	2683.49
16	0.00	0.00	0.00	0.00	0.91	2682.58
17	0.00	0.00	0.00	0.00	0.91	2681.67
18	0.00	0.00	0.00	0.00	0.92	2680.75
19	0.00	0.00	0.00	0.00	0.92	2679.83
20	0.00	0.00	0.00	0.00	0.91	2678.92
21	0.00	0.00	0.00	0.00	0.87	2678.05
22	0.00	0.00	0.00	0.00	0.93	2677.12
23	0.00	0.00	0.00	0.00	0.93	2676.19
24	0.00	0.00	0.00	0.00	0.86	2675.33
25	0.00	0.00	0.00	0.00	0.83	2674.50
26	0.00	0.00	0.00	0.00	0.51	2673.99
27	0.00	0.00	0.00	0.00	0.14	2673.85
28	0.00	0.00	0.00	0.00	0.14	2673.71
29	0.00	0.00	0.00	0.00	0.91	2672.80
30	0.00	0.00	0.00	0.00	0.91	2671.89
31	0.00	0.00	0.00	0.00	0.29	2671.60
	0.00	0.00	0.00	0.00	23.80	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						175.20
1	0.00	0.00	0.00	0.00	0.06	175.14
2	0.00	0.00	0.00	0.00	0.06	175.08
3	0.00	0.00	0.00	0.00	0.04	175.04
4	0.00	0.00	0.00	0.00	0.01	175.03
5	0.00	0.00	0.00	0.00	0.05	174.98
6	0.00	0.00	0.00	0.00	0.06	174.92
7	0.00	0.00	0.00	0.00	0.04	174.88
8	0.00	0.00	0.00	0.00	0.04	174.84
9	0.00	0.00	0.00	0.00	0.05	174.79
10	0.00	0.00	0.00	0.00	0.06	174.73
11	0.00	0.00	0.00	0.00	0.06	174.67
12	0.00	0.00	0.00	0.00	0.06	174.61
13	0.00	0.00	0.00	0.00	0.06	174.55
14	0.00	0.00	0.00	0.00	0.06	174.49
15	0.00	0.00	0.00	0.00	0.06	174.43
16	0.00	0.00	0.00	0.00	0.06	174.37
17	0.00	0.00	0.00	0.00	0.06	174.31
18	0.00	0.00	0.00	0.00	0.06	174.25
19	0.00	0.00	0.00	0.00	0.06	174.19
20	0.00	0.00	0.00	0.00	0.06	174.13
21	0.00	0.00	0.00	0.00	0.06	174.07
22	0.00	0.00	0.00	0.00	0.06	174.01
23	0.00	0.00	0.00	0.00	0.06	173.95
24	0.00	0.00	0.00	0.00	0.06	173.89
25	0.00	0.00	0.00	0.00	0.05	173.84
26	0.00	0.00	0.00	0.00	0.03	173.81
27	0.00	0.00	0.00	0.00	0.01	173.80
28	0.00	0.00	0.00	0.00	0.01	173.79
29	0.00	0.00	0.00	0.00	0.06	173.73
30	0.00	0.00	0.00	0.00	0.06	173.67
31	0.00	0.00	0.00	0.00	0.02	173.65
	0.00	0.00	0.00	0.00	1.55	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.55
1	0.00	0.00	0.00	0.00	0.01	32.54
2	0.00	0.00	0.00	0.00	0.01	32.53
3	0.00	0.00	0.00	0.00	0.01	32.52
4	0.00	0.00	0.00	0.00	0.00	32.52
5	0.00	0.00	0.00	0.00	0.01	32.51
6	0.00	0.00	0.00	0.00	0.01	32.50
7	0.00	0.00	0.00	0.00	0.01	32.49
8	0.00	0.00	0.00	0.00	0.01	32.48
9	0.00	0.00	0.00	0.00	0.01	32.47
10	0.00	0.00	0.00	0.00	0.01	32.46
11	0.00	0.00	0.00	0.00	0.01	32.45
12	0.00	0.00	0.00	0.00	0.01	32.44
13	0.00	0.00	0.00	0.00	0.01	32.43
14	0.00	0.00	0.00	0.00	0.01	32.42
15	0.00	0.00	0.00	0.00	0.01	32.41
16	0.00	0.00	0.00	0.00	0.01	32.40
17	0.00	0.00	0.00	0.00	0.01	32.39
18	0.00	0.00	0.00	0.00	0.01	32.38
19	0.00	0.00	0.00	0.00	0.01	32.37
20	0.00	0.00	0.00	0.00	0.01	32.36
21	0.00	0.00	0.00	0.00	0.01	32.35
22	0.00	0.00	0.00	0.00	0.01	32.34
23	0.00	0.00	0.00	0.00	0.01	32.33
24	0.00	0.00	0.00	0.00	0.01	32.32
25	0.00	0.00	0.00	0.00	0.01	32.31
26	0.00	0.00	0.00	0.00	0.01	32.30
27	0.00	0.00	0.00	0.00	0.00	32.30
28	0.00	0.00	0.00	0.00	0.00	32.30
29	0.00	0.00	0.00	0.00	0.01	32.29
30	0.00	0.00	0.00	0.00	0.01	32.28
31	0.00	0.00	0.00	0.00	0.00	32.28
	0.00	0.00	0.00	0.00	0.27	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2176.94
1	0.00	0.00	0.00	0.00	0.79	2176.15
2	0.00	0.00	0.00	0.00	0.78	2175.37
3	0.00	0.00	0.00	0.00	0.51	2174.86
4	0.00	0.00	0.00	0.00	0.12	2174.74
5	0.00	0.00	10.69	0.00	0.59	2163.46
6	0.00	0.00	0.00	0.00	0.76	2162.70
7	0.00	0.00	0.00	0.00	0.46	2162.24
8	0.00	0.00	0.00	0.00	0.54	2161.70
9	0.00	0.00	0.00	0.00	0.65	2161.05
10	0.00	0.00	0.00	0.00	0.74	2160.31
11	0.00	0.00	0.00	0.00	0.73	2159.58
12	0.00	0.00	0.00	0.00	0.70	2158.88
13	0.00	0.00	0.00	0.00	0.75	2158.13
14	0.00	0.00	0.00	0.00	0.74	2157.39
15	0.00	0.00	0.00	0.00	0.73	2156.66
16	0.00	0.00	0.00	0.00	0.73	2155.93
17	0.00	0.00	0.00	0.00	0.73	2155.20
18	0.00	0.00	0.00	0.00	0.74	2154.46
19	0.00	0.00	0.00	0.00	0.74	2153.72
20	0.00	0.00	0.00	0.00	0.73	2152.99
21	0.00	0.00	0.00	0.00	0.70	2152.29
22	0.00	0.00	0.00	0.00	0.75	2151.54
23	0.00	0.00	0.00	0.00	0.75	2150.79
24	0.00	0.00	0.00	0.00	0.69	2150.10
25	0.00	0.00	0.00	0.00	0.67	2149.43
26	0.00	0.00	0.00	0.00	0.41	2149.02
27	0.00	0.00	0.00	0.00	0.11	2148.91
28	0.00	0.00	0.00	0.00	0.11	2148.80
29	0.00	0.00	1001.28	0.00	0.73	1146.79
30	0.00	0.00	0.00	0.00	0.39	1146.40
31	0.00	0.00	0.00	0.00	0.13	1146.27
	0.00	0.00	1011.97	0.00	18.70	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.80
1	0.00	0.00	0.00	0.00	0.01	30.79
2	0.00	0.00	0.00	0.00	0.01	30.78
3	0.00	0.00	0.00	0.00	0.01	30.77
4	0.00	0.00	0.00	0.00	0.00	30.77
5	0.00	0.00	0.00	0.00	0.01	30.76
6	0.00	0.00	0.00	0.00	0.01	30.75
7	0.00	0.00	0.00	0.00	0.01	30.74
8	0.00	0.00	0.00	0.00	0.01	30.73
9	0.00	0.00	0.00	0.00	0.01	30.72
10	0.00	0.00	0.00	0.00	0.01	30.71
11	0.00	0.00	0.00	0.00	0.01	30.70
12	0.00	0.00	0.00	0.00	0.01	30.69
13	0.00	0.00	0.00	0.00	0.01	30.68
14	0.00	0.00	0.00	0.00	0.01	30.67
15	0.00	0.00	0.00	0.00	0.01	30.66
16	0.00	0.00	0.00	0.00	0.01	30.65
17	0.00	0.00	0.00	0.00	0.01	30.64
18	0.00	0.00	0.00	0.00	0.01	30.63
19	0.00	0.00	0.00	0.00	0.01	30.62
20	0.00	0.00	0.00	0.00	0.01	30.61
21	0.00	0.00	0.00	0.00	0.01	30.60
22	0.00	0.00	0.00	0.00	0.01	30.59
23	0.00	0.00	0.00	0.00	0.01	30.58
24	0.00	0.00	0.00	0.00	0.01	30.57
25	0.00	0.00	0.00	0.00	0.01	30.56
26	0.00	0.00	0.00	0.00	0.01	30.55
27	0.00	0.00	0.00	0.00	0.00	30.55
28	0.00	0.00	0.00	0.00	0.00	30.55
29	0.00	0.00	0.00	0.00	0.01	30.54
30	0.00	0.00	0.00	0.00	0.01	30.53
31	0.00	0.00	0.00	0.00	0.00	30.53
	0.00	0.00	0.00	0.00	0.27	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						332.86
1	0.00	0.00	0.00	0.00	0.12	332.74
2	0.00	0.00	0.00	0.00	0.12	332.62
3	0.00	0.00	0.00	0.00	0.08	332.54
4	0.00	0.00	0.00	0.00	0.02	332.52
5	0.00	0.00	0.00	0.00	0.09	332.43
6	0.00	0.00	0.00	0.00	0.12	332.31
7	0.00	0.00	0.00	0.00	0.07	332.24
8	0.00	0.00	0.00	0.00	0.08	332.16
9	0.00	0.00	0.00	0.00	0.10	332.06
10	0.00	0.00	0.00	0.00	0.11	331.95
11	0.00	0.00	0.00	0.00	0.11	331.84
12	0.00	0.00	0.00	0.00	0.11	331.73
13	0.00	0.00	0.00	0.00	0.11	331.62
14	0.00	0.00	0.00	0.00	0.11	331.51
15	0.00	0.00	0.00	0.00	0.11	331.40
16	0.00	0.00	0.00	0.00	0.11	331.29
17	0.00	0.00	0.00	0.00	0.11	331.18
18	0.00	0.00	0.00	0.00	0.11	331.07
19	0.00	0.00	0.00	0.00	0.11	330.96
20	0.00	0.00	0.00	0.00	0.11	330.85
21	0.00	0.00	0.00	0.00	0.11	330.74
22	0.00	0.00	0.00	0.00	0.11	330.63
23	0.00	0.00	0.00	0.00	0.11	330.52
24	0.00	0.00	0.00	0.00	0.11	330.41
25	0.00	0.00	0.00	0.00	0.10	330.31
26	0.00	0.00	0.00	0.00	0.06	330.25
27	0.00	0.00	0.00	0.00	0.02	330.23
28	0.00	0.00	0.00	0.00	0.02	330.21
29	0.00	0.00	0.00	0.00	0.11	330.10
30	0.00	0.00	0.00	0.00	0.11	329.99
31	0.00	0.00	0.00	0.00	0.04	329.95
	0.00	0.00	0.00	0.00	2.91	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

June 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of February 2021 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 no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches February 2021.

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.

There were no deliveries to the Offset Account in the month of February 2021.

Colorado Water Protective and Development Association (CWPDA) transferred 9.79 acre-feet out of the Consumable Upstream subaccount to the Conservation Storage – Winter Water account to cover the Catlin Augmentation Association's (CAA) return flow obligation as prescribed in Case No. 12CW94 on February 11, 2021.

After running the H-I Model for 2020, the Ten-year Accounting of Depletions and Accretions to Usable Stateline Flow showed a deficit of 62 acre-feet at the state line. Lower Arkansas Water Management Association (LAWMA) will make up that shortfall pursuant to Appendix A.2. In addition, LAWMA had a deficit of 1,946.10 acre-feet at the state line, which LAWMA will replace with a transfer within the Offset Account. This state-line monthly deficit includes a carry-over from January 2021.

As of February 28, 2021, a total of 4,325.61 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of February 2021 is attached in Enclosure 1.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
February 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	3.31	1.27
2	BOOTH ORCHARD	0.03	0.02
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0	0
6	ROCKY FORD HIGHLINE	0.03	0.01
7	OXFORD	0.01	0
8	OTERO	3.37	1.21
9	CATLIN	0	0
10	FORT LYON US	51.95	34.86
11	ROCKY FORD	0	0
12	HOLBROOK	0.04	0.01
13	LAS ANIMAS CONSOLIDATED	6.22	3.11
14	BALDWIN-STUBBS	0	0
15	FORT BENT	0	0
17	AMITY	0.10	0.05
18	LAMAR/MANVEL	0	0
19	HYDE	0	0
20	FORT LYON DS	306.07	131.96
21	XY GRAHAM	0	0
22	BUFFALO	0.14	0.05
24	STATELINE SOLE SOURCE	50.35	37.76
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	421.62	210.31

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
February 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	0.05	0.00	3.05	130.44	0.00	0.05	0.00	37.76	171.35

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
February 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		17.86	34.78	125.67	99.52	44.80	74.25	165.67	466.42	33.51	1062.48	
Depletion to Usable SL Flow		6.23	12.14	43.86	34.73	15.64	25.91	57.82	162.78	11.69	370.81	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00					0.00	0.00	0
Fort Lyon Aug Station/Recharge	0.00	0.00	0.00	0.00	0.00					0.00	0.00	0
CO Beef - Lamar Center Farm				0.00						0.00	0.00	0
Lamar Center Farm	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	0
Lamar Granada East/West								0.00		0.00	0.00	0.00
Ft Bent Ditch Shares	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0
Stubbs Direct Flow	0	0	0	0	0	0	0	0		0.00	0.00	0
XY Direct Flow	0.00	0.00	0.00	0.00	0.00	0.00	0	0		0.00	0.00	0
Manvel Direct Flow	0	0	0	0	0	0	0	0		0.00	0.00	0
Offset Account Release Credit	-1052.42								370.81	370.81	377.38	-1946.10
Offset Account Transit Loss	0.00			0.00			0.00			0.00	0.00	0
Offset Account Water	0									0.00	0.00	0
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	370.81	370.81	377.38	
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: The SWSP and Decreed Augmentation Plan depletions balance of 522.87 acre-feet was not brought to zero. The Offset Account credits were reset to 0 acre-feet in January 2021 on June 1, 2021 pursuant to a new H-I Model run for 2020.

Enclosure 1

John Martin Offset Accounting for February 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4346.09
1	0.00	0.00	0.00	0.00	0.35	4345.74
2	0.00	0.00	0.00	0.00	0.72	4345.02
3	0.00	0.00	0.00	0.00	0.72	4344.30
4	0.00	0.00	0.00	0.00	0.95	4343.35
5	0.00	0.00	0.00	0.00	1.19	4342.16
6	0.00	0.00	0.00	0.00	0.95	4341.21
7	0.00	0.00	0.00	0.00	0.57	4340.64
8	0.00	0.00	0.00	0.00	0.70	4339.94
9	0.00	0.00	0.00	0.00	1.06	4338.88
10	0.00	0.00	0.00	0.00	1.06	4337.82
11	0.00	0.00	9.79	0.00	1.05	4326.98
12	0.00	0.00	0.00	0.00	0.00	4326.98
13	0.00	0.00	0.00	0.00	0.00	4326.98
14	0.00	0.00	0.00	0.00	0.00	4326.98
15	0.00	0.00	0.00	0.00	0.00	4326.98
16	0.00	0.00	0.00	0.00	0.00	4326.98
17	0.00	0.00	0.00	0.00	0.00	4326.98
18	0.00	0.00	0.00	0.00	0.00	4326.98
19	0.00	0.00	0.00	0.00	0.00	4326.98
20	0.00	0.00	0.00	0.00	0.00	4326.98
21	0.00	0.00	0.00	0.00	0.11	4326.87
22	0.00	0.00	0.00	0.00	0.23	4326.64
23	0.00	0.00	0.00	0.00	0.23	4326.41
24	0.00	0.00	0.00	0.00	0.11	4326.30
25	0.00	0.00	0.00	0.00	0.11	4326.19
26	0.00	0.00	0.00	0.00	0.16	4326.03
27	0.00	0.00	0.00	0.00	0.16	4325.87
28	0.00	0.00	0.00	0.00	0.26	4325.61
	0.00	0.00	9.79	0.00	10.69	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1476.22
1	0.00	0.00	0.00	0.00	0.12	1476.10
2	0.00	0.00	0.00	0.00	0.24	1475.86
3	0.00	0.00	0.00	0.00	0.24	1475.62
4	0.00	0.00	0.00	0.00	0.32	1475.30
5	0.00	0.00	0.00	0.00	0.40	1474.90
6	0.00	0.00	0.00	0.00	0.32	1474.58
7	0.00	0.00	0.00	0.00	0.19	1474.39
8	0.00	0.00	0.00	0.00	0.24	1474.15
9	0.00	0.00	0.00	0.00	0.36	1473.79
10	0.00	0.00	0.00	0.00	0.36	1473.43
11	0.00	0.00	9.79	0.00	0.36	1463.28
12	0.00	0.00	0.00	0.00	0.00	1463.28
13	0.00	0.00	0.00	0.00	0.00	1463.28
14	0.00	0.00	0.00	0.00	0.00	1463.28
15	0.00	0.00	0.00	0.00	0.00	1463.28
16	0.00	0.00	0.00	0.00	0.00	1463.28
17	0.00	0.00	0.00	0.00	0.00	1463.28
18	0.00	0.00	0.00	0.00	0.00	1463.28
19	0.00	0.00	0.00	0.00	0.00	1463.28
20	0.00	0.00	0.00	0.00	0.00	1463.28
21	0.00	0.00	0.00	0.00	0.04	1463.24
22	0.00	0.00	0.00	0.00	0.08	1463.16
23	0.00	0.00	0.00	0.00	0.08	1463.08
24	0.00	0.00	0.00	0.00	0.04	1463.04
25	0.00	0.00	0.00	0.00	0.04	1463.00
26	0.00	0.00	0.00	0.00	0.05	1462.95
27	0.00	0.00	0.00	0.00	0.05	1462.90
28	0.00	0.00	0.00	0.00	0.09	1462.81
	0.00	0.00	9.79	0.00	3.62	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4313.81
1	0.00	0.00	0.00	0.00	0.35	4313.46
2	0.00	0.00	0.00	0.00	0.71	4312.75
3	0.00	0.00	0.00	0.00	0.71	4312.04
4	0.00	0.00	0.00	0.00	0.94	4311.10
5	0.00	0.00	0.00	0.00	1.18	4309.92
6	0.00	0.00	0.00	0.00	0.94	4308.98
7	0.00	0.00	0.00	0.00	0.57	4308.41
8	0.00	0.00	0.00	0.00	0.70	4307.71
9	0.00	0.00	0.00	0.00	1.05	4306.66
10	0.00	0.00	0.00	0.00	1.05	4305.61
11	0.00	0.00	9.79	0.00	1.04	4294.78
12	0.00	0.00	0.00	0.00	0.00	4294.78
13	0.00	0.00	0.00	0.00	0.00	4294.78
14	0.00	0.00	0.00	0.00	0.00	4294.78
15	0.00	0.00	0.00	0.00	0.00	4294.78
16	0.00	0.00	0.00	0.00	0.00	4294.78
17	0.00	0.00	0.00	0.00	0.00	4294.78
18	0.00	0.00	0.00	0.00	0.00	4294.78
19	0.00	0.00	0.00	0.00	0.00	4294.78
20	0.00	0.00	0.00	0.00	0.00	4294.78
21	0.00	0.00	0.00	0.00	0.11	4294.67
22	0.00	0.00	0.00	0.00	0.23	4294.44
23	0.00	0.00	0.00	0.00	0.23	4294.21
24	0.00	0.00	0.00	0.00	0.11	4294.10
25	0.00	0.00	0.00	0.00	0.11	4293.99
26	0.00	0.00	0.00	0.00	0.16	4293.83
27	0.00	0.00	0.00	0.00	0.16	4293.67
28	0.00	0.00	0.00	0.00	0.26	4293.41
	0.00	0.00	9.79	0.00	10.61	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2671.60
1	0.00	0.00	0.00	0.00	0.22	2671.38
2	0.00	0.00	0.00	0.00	0.44	2670.94
3	0.00	0.00	0.00	0.00	0.44	2670.50
4	0.00	0.00	0.00	0.00	0.58	2669.92
5	0.00	0.00	0.00	0.00	0.73	2669.19
6	0.00	0.00	0.00	0.00	0.58	2668.61
7	0.00	0.00	0.00	0.00	0.36	2668.25
8	0.00	0.00	0.00	0.00	0.43	2667.82
9	0.00	0.00	0.00	0.00	0.65	2667.17
10	0.00	0.00	0.00	0.00	0.65	2666.52
11	0.00	0.00	0.00	0.00	0.64	2665.88
12	0.00	0.00	0.00	0.00	0.00	2665.88
13	0.00	0.00	0.00	0.00	0.00	2665.88
14	0.00	0.00	0.00	0.00	0.00	2665.88
15	0.00	0.00	0.00	0.00	0.00	2665.88
16	0.00	0.00	0.00	0.00	0.00	2665.88
17	0.00	0.00	0.00	0.00	0.00	2665.88
18	0.00	0.00	0.00	0.00	0.00	2665.88
19	0.00	0.00	0.00	0.00	0.00	2665.88
20	0.00	0.00	0.00	0.00	0.00	2665.88
21	0.00	0.00	0.00	0.00	0.07	2665.81
22	0.00	0.00	0.00	0.00	0.14	2665.67
23	0.00	0.00	0.00	0.00	0.14	2665.53
24	0.00	0.00	0.00	0.00	0.07	2665.46
25	0.00	0.00	0.00	0.00	0.07	2665.39
26	0.00	0.00	0.00	0.00	0.10	2665.29
27	0.00	0.00	0.00	0.00	0.10	2665.19
28	0.00	0.00	0.00	0.00	0.16	2665.03
	0.00	0.00	0.00	0.00	6.57	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.65
1	0.00	0.00	0.00	0.00	0.01	173.64
2	0.00	0.00	0.00	0.00	0.03	173.61
3	0.00	0.00	0.00	0.00	0.03	173.58
4	0.00	0.00	0.00	0.00	0.04	173.54
5	0.00	0.00	0.00	0.00	0.05	173.49
6	0.00	0.00	0.00	0.00	0.04	173.45
7	0.00	0.00	0.00	0.00	0.02	173.43
8	0.00	0.00	0.00	0.00	0.03	173.40
9	0.00	0.00	0.00	0.00	0.04	173.36
10	0.00	0.00	0.00	0.00	0.04	173.32
11	0.00	0.00	0.00	0.00	0.04	173.28
12	0.00	0.00	0.00	0.00	0.00	173.28
13	0.00	0.00	0.00	0.00	0.00	173.28
14	0.00	0.00	0.00	0.00	0.00	173.28
15	0.00	0.00	0.00	0.00	0.00	173.28
16	0.00	0.00	0.00	0.00	0.00	173.28
17	0.00	0.00	0.00	0.00	0.00	173.28
18	0.00	0.00	0.00	0.00	0.00	173.28
19	0.00	0.00	0.00	0.00	0.00	173.28
20	0.00	0.00	0.00	0.00	0.00	173.28
21	0.00	0.00	0.00	0.00	0.00	173.28
22	0.00	0.00	0.00	0.00	0.01	173.27
23	0.00	0.00	0.00	0.00	0.01	173.26
24	0.00	0.00	0.00	0.00	0.00	173.26
25	0.00	0.00	0.00	0.00	0.00	173.26
26	0.00	0.00	0.00	0.00	0.01	173.25
27	0.00	0.00	0.00	0.00	0.01	173.24
28	0.00	0.00	0.00	0.00	0.01	173.23
	0.00	0.00	0.00	0.00	0.42	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.28
1	0.00	0.00	0.00	0.00	0.00	32.28
2	0.00	0.00	0.00	0.00	0.01	32.27
3	0.00	0.00	0.00	0.00	0.01	32.26
4	0.00	0.00	0.00	0.00	0.01	32.25
5	0.00	0.00	0.00	0.00	0.01	32.24
6	0.00	0.00	0.00	0.00	0.01	32.23
7	0.00	0.00	0.00	0.00	0.00	32.23
8	0.00	0.00	0.00	0.00	0.00	32.23
9	0.00	0.00	0.00	0.00	0.01	32.22
10	0.00	0.00	0.00	0.00	0.01	32.21
11	0.00	0.00	0.00	0.00	0.01	32.20
12	0.00	0.00	0.00	0.00	0.00	32.20
13	0.00	0.00	0.00	0.00	0.00	32.20
14	0.00	0.00	0.00	0.00	0.00	32.20
15	0.00	0.00	0.00	0.00	0.00	32.20
16	0.00	0.00	0.00	0.00	0.00	32.20
17	0.00	0.00	0.00	0.00	0.00	32.20
18	0.00	0.00	0.00	0.00	0.00	32.20
19	0.00	0.00	0.00	0.00	0.00	32.20
20	0.00	0.00	0.00	0.00	0.00	32.20
21	0.00	0.00	0.00	0.00	0.00	32.20
22	0.00	0.00	0.00	0.00	0.00	32.20
23	0.00	0.00	0.00	0.00	0.00	32.20
24	0.00	0.00	0.00	0.00	0.00	32.20
25	0.00	0.00	0.00	0.00	0.00	32.20
26	0.00	0.00	0.00	0.00	0.00	32.20
27	0.00	0.00	0.00	0.00	0.00	32.20
28	0.00	0.00	0.00	0.00	0.00	32.20
	0.00	0.00	0.00	0.00	0.08	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1146.27
1	0.00	0.00	0.00	0.00	0.09	1146.18
2	0.00	0.00	0.00	0.00	0.19	1145.99
3	0.00	0.00	0.00	0.00	0.19	1145.80
4	0.00	0.00	0.00	0.00	0.25	1145.55
5	0.00	0.00	0.00	0.00	0.31	1145.24
6	0.00	0.00	0.00	0.00	0.25	1144.99
7	0.00	0.00	0.00	0.00	0.15	1144.84
8	0.00	0.00	0.00	0.00	0.19	1144.65
9	0.00	0.00	0.00	0.00	0.28	1144.37
10	0.00	0.00	0.00	0.00	0.28	1144.09
11	0.00	0.00	9.79	0.00	0.28	1134.02
12	0.00	0.00	0.00	0.00	0.00	1134.02
13	0.00	0.00	0.00	0.00	0.00	1134.02
14	0.00	0.00	0.00	0.00	0.00	1134.02
15	0.00	0.00	0.00	0.00	0.00	1134.02
16	0.00	0.00	0.00	0.00	0.00	1134.02
17	0.00	0.00	0.00	0.00	0.00	1134.02
18	0.00	0.00	0.00	0.00	0.00	1134.02
19	0.00	0.00	0.00	0.00	0.00	1134.02
20	0.00	0.00	0.00	0.00	0.00	1134.02
21	0.00	0.00	0.00	0.00	0.03	1133.99
22	0.00	0.00	0.00	0.00	0.06	1133.93
23	0.00	0.00	0.00	0.00	0.06	1133.87
24	0.00	0.00	0.00	0.00	0.03	1133.84
25	0.00	0.00	0.00	0.00	0.03	1133.81
26	0.00	0.00	0.00	0.00	0.04	1133.77
27	0.00	0.00	0.00	0.00	0.04	1133.73
28	0.00	0.00	0.00	0.00	0.07	1133.66
	0.00	0.00	9.79	0.00	2.82	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.53
1	0.00	0.00	0.00	0.00	0.00	30.53
2	0.00	0.00	0.00	0.00	0.01	30.52
3	0.00	0.00	0.00	0.00	0.01	30.51
4	0.00	0.00	0.00	0.00	0.01	30.50
5	0.00	0.00	0.00	0.00	0.01	30.49
6	0.00	0.00	0.00	0.00	0.01	30.48
7	0.00	0.00	0.00	0.00	0.00	30.48
8	0.00	0.00	0.00	0.00	0.00	30.48
9	0.00	0.00	0.00	0.00	0.01	30.47
10	0.00	0.00	0.00	0.00	0.01	30.46
11	0.00	0.00	0.00	0.00	0.01	30.45
12	0.00	0.00	0.00	0.00	0.00	30.45
13	0.00	0.00	0.00	0.00	0.00	30.45
14	0.00	0.00	0.00	0.00	0.00	30.45
15	0.00	0.00	0.00	0.00	0.00	30.45
16	0.00	0.00	0.00	0.00	0.00	30.45
17	0.00	0.00	0.00	0.00	0.00	30.45
18	0.00	0.00	0.00	0.00	0.00	30.45
19	0.00	0.00	0.00	0.00	0.00	30.45
20	0.00	0.00	0.00	0.00	0.00	30.45
21	0.00	0.00	0.00	0.00	0.00	30.45
22	0.00	0.00	0.00	0.00	0.00	30.45
23	0.00	0.00	0.00	0.00	0.00	30.45
24	0.00	0.00	0.00	0.00	0.00	30.45
25	0.00	0.00	0.00	0.00	0.00	30.45
26	0.00	0.00	0.00	0.00	0.00	30.45
27	0.00	0.00	0.00	0.00	0.00	30.45
28	0.00	0.00	0.00	0.00	0.00	30.45
	0.00	0.00	0.00	0.00	0.08	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						329.95
1	0.00	0.00	0.00	0.00	0.03	329.92
2	0.00	0.00	0.00	0.00	0.05	329.87
3	0.00	0.00	0.00	0.00	0.05	329.82
4	0.00	0.00	0.00	0.00	0.07	329.75
5	0.00	0.00	0.00	0.00	0.09	329.66
6	0.00	0.00	0.00	0.00	0.07	329.59
7	0.00	0.00	0.00	0.00	0.04	329.55
8	0.00	0.00	0.00	0.00	0.05	329.50
9	0.00	0.00	0.00	0.00	0.08	329.42
10	0.00	0.00	0.00	0.00	0.08	329.34
11	0.00	0.00	0.00	0.00	0.08	329.26
12	0.00	0.00	0.00	0.00	0.00	329.26
13	0.00	0.00	0.00	0.00	0.00	329.26
14	0.00	0.00	0.00	0.00	0.00	329.26
15	0.00	0.00	0.00	0.00	0.00	329.26
16	0.00	0.00	0.00	0.00	0.00	329.26
17	0.00	0.00	0.00	0.00	0.00	329.26
18	0.00	0.00	0.00	0.00	0.00	329.26
19	0.00	0.00	0.00	0.00	0.00	329.26
20	0.00	0.00	0.00	0.00	0.00	329.26
21	0.00	0.00	0.00	0.00	0.01	329.25
22	0.00	0.00	0.00	0.00	0.02	329.23
23	0.00	0.00	0.00	0.00	0.02	329.21
24	0.00	0.00	0.00	0.00	0.01	329.20
25	0.00	0.00	0.00	0.00	0.01	329.19
26	0.00	0.00	0.00	0.00	0.01	329.18
27	0.00	0.00	0.00	0.00	0.01	329.17
28	0.00	0.00	0.00	0.00	0.02	329.15
	0.00	0.00	0.00	0.00	0.80	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

June 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of March 2021 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, 13, 14, 15 and 16 72% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 22 days in March 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 36.76 acre-feet of Fort Lyon Canal shares to Consumable Downstream Subaccount. On March 31, 2021, LAWMA transferred 472.92 acre-feet into the Consumable Kansas Charge Subaccount, 67.67 acre-feet into the Return Flow Subaccount, and 3.67 acre-feet into the Return Flow Transit Loss Subaccount from their Keesee Article II Account in John Martin Reservoir. The amount transferred into the Offset Account in March 2021 totaled 544.26 acre-feet.

Colorado Water Protective and Development Association (CWPDA) transferred 18.07 acre-feet out of the CWPDA Consumable Upstream subaccount to the Conservation Storage – Winter Water account to cover the Catlin Augmentation Association's (CAA) return flow obligation as prescribed in Case No. 12CW94 on March 7, 2021. CWPDA also transferred 500 acre-feet out of the CWPDA Consumable Upstream subaccount to the Conservation Storage – Winter Water account to cover depletions to conservation storage by CWPDA rule 14 plan operations on March 8, 2021. The total transferred out of the Offset Account for the month of March 2021 was 518.07 acre-feet.

After running the H-I Model for 2020, the Ten-year Accounting of Depletions and Accretions to Usable Stateline Flow showed a deficit of 62 acre-feet at the state line. Lower Arkansas Water Management Association (LAWMA) will make up that shortfall pursuant to Appendix A.2. In addition, LAWMA had a deficit of 2,756.58 acre-feet at the state line, which LAWMA will replace with a transfer within the Offset Account. This state-line monthly deficit includes a carry-over from January and February 2021.

As of March 31, 2021, a total of 4,303.30 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of March 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
March 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	140.86	61.77
2	BOOTH ORCHARD	0.12	0.06
3	EXCELSIOR	2.62	1.31
4	COLLIER	0	0
5	COLORADO	28.66	14.34
6	ROCKY FORD HIGHLINE	82.09	36.42
7	OXFORD	71.99	26.13
8	OTERO	19.76	7.12
9	CATLIN	146.69	85.65
10	FORT LYON US	660.15	318.68
11	ROCKY FORD	0.14	0.08
12	HOLBROOK	328.27	178.82
13	LAS ANIMAS CONSOLIDATED	116.05	58.04
14	BALDWIN-STUBBS	1.54	1.16
15	FORT BENT	8.64	4.14
17	AMITY	1217.02	612.85
18	LAMAR/MANVEL	130.42	63.21
19	HYDE	9.99	7.49
20	FORT LYON DS	831.69	445.3
21	XY GRAHAM	632.9	406.44
22	BUFFALO	304.7	109.7
24	STATELINE SOLE SOURCE	427.94	310.22
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	6.3	4.73
	Totals	5168.54	2753.66

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
March 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	25.05	0.00	637.21	63.21	26.54	399.67	406.44	109.70	0.00	310.22	1978.04

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
March 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		5.62	11.15	41.40	31.11	12.00	22.68	209.72	473.00	28.15	834.83	
Depletion to Usable SL Flow		1.96	3.89	14.45	10.86	4.19	7.92	73.19	165.08	9.82	291.36	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00					0.00	0.00	0.00
Fort Lyon Aug Station/Recharge	0.00	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
Lamar Center Farm	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	0.00
Lamar Granada East/West								0.00		0.00	0.00	0.00
Ft Bent Ditch Shares	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Stubbs Direct Flow	0	0	0	0	0	0	0	0.00		0.00	0.00	0.00
XY Direct Flow	0.00	0.00	0.00	0.00	0.00	0.00	0	0		0.00	0.00	0.00
Manvel Direct Flow	0	0	0	0	0	0	0	0		0.00	0.00	0.00
Offset Account Release Credit	-1946.10								291.36	291.36	293.85	-2756.58
Offset Account Transit Loss	0.00			0.00			0.00			0.00	0.00	0.00
Offset Account Water	0									0.00	0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	291.36	291.36	293.85	
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: The SWSP and Decreed Augmentation Plan depletions balance of 519.12 acre-feet was not brought to zero. The Offset Account credits were reset to 0 acre-feet on June 1, 2021 pursuant to a new H-I Model run for 2020.

Enclosure 1

John Martin Offset Accounting for March 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4325.61
1	0.00	0.00	0.00	0.00	0.26	4325.35
2	0.00	0.00	0.00	0.00	0.35	4325.00
3	0.00	0.00	0.00	0.00	0.35	4324.65
4	0.00	0.00	0.00	0.00	1.07	4323.58
5	0.00	0.00	0.00	0.00	3.52	4320.06
6	0.00	0.00	0.00	0.00	3.51	4316.55
7	0.00	0.00	18.07	0.00	3.50	4294.98
8	0.00	0.00	500.00	0.00	3.48	3791.50
9	0.00	0.00	0.00	0.00	3.05	3788.45
10	0.00	0.00	0.00	0.00	3.04	3785.41
11	0.00	0.00	0.00	0.00	3.03	3782.38
12	0.00	0.00	0.00	0.00	3.03	3779.35
13	0.00	0.00	0.00	0.00	3.03	3776.32
14	0.00	0.00	0.00	0.00	3.00	3773.32
15	0.00	0.00	0.00	0.00	2.99	3770.33
16	0.00	0.00	0.00	0.00	2.98	3767.35
17	0.00	0.00	0.00	0.00	2.96	3764.39
18	0.00	0.00	0.00	0.00	2.96	3761.43
19	0.00	0.00	0.00	0.00	2.96	3758.47
20	1.74	0.00	0.00	0.00	2.96	3757.25
21	7.46	0.00	0.00	0.00	2.95	3761.76
22	2.42	0.00	0.00	0.00	2.95	3761.23
23	6.22	0.00	0.00	0.00	2.94	3764.51
24	11.85	0.00	0.00	0.00	2.94	3773.42
25	4.31	0.00	0.00	0.00	2.95	3774.78
26	0.00	0.00	0.00	0.00	2.95	3771.83
27	0.00	0.00	0.00	0.00	2.95	3768.88
28	1.63	0.00	0.00	0.00	2.94	3767.57
29	1.13	0.00	0.00	0.00	2.94	3765.76
30	0.00	0.00	0.00	0.00	2.94	3762.82
31	0.00	544.26	0.00	0.00	3.78	4303.30
	36.76	544.26	518.07	0.00	85.26	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1462.81
1	0.00	0.00	0.00	0.00	0.09	1462.72
2	0.00	0.00	0.00	0.00	0.12	1462.60
3	0.00	0.00	0.00	0.00	0.12	1462.48
4	0.00	0.00	0.00	0.00	0.36	1462.12
5	0.00	0.00	0.00	0.00	1.19	1460.93
6	0.00	0.00	0.00	0.00	1.19	1459.74
7	0.00	0.00	18.07	0.00	1.19	1440.48
8	0.00	0.00	500.00	0.00	1.17	939.31
9	0.00	0.00	0.00	0.00	0.75	938.56
10	0.00	0.00	0.00	0.00	0.75	937.81
11	0.00	0.00	0.00	0.00	0.75	937.06
12	0.00	0.00	0.00	0.00	0.75	936.31
13	0.00	0.00	0.00	0.00	0.75	935.56
14	0.00	0.00	0.00	0.00	0.74	934.82
15	0.00	0.00	0.00	0.00	0.74	934.08
16	0.00	0.00	0.00	0.00	0.74	933.34
17	0.00	0.00	0.00	0.00	0.74	932.60
18	0.00	0.00	0.00	0.00	0.74	931.86
19	0.00	0.00	0.00	0.00	0.74	931.12
20	0.00	0.00	0.00	0.00	0.74	930.38
21	0.00	0.00	0.00	0.00	0.73	929.65
22	0.00	0.00	0.00	0.00	0.73	928.92
23	0.00	0.00	0.00	0.00	0.72	928.20
24	0.00	0.00	0.00	0.00	0.72	927.48
25	0.00	0.00	0.00	0.00	0.72	926.76
26	0.00	0.00	0.00	0.00	0.72	926.04
27	0.00	0.00	0.00	0.00	0.72	925.32
28	0.00	0.00	0.00	0.00	0.72	924.60
29	0.00	0.00	0.00	0.00	0.72	923.88
30	0.00	0.00	0.00	0.00	0.72	923.16
31	0.00	0.00	0.00	0.00	0.92	922.24
	0.00	0.00	518.07	0.00	22.50	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4293.41
1	0.00	0.00	0.00	0.00	0.26	4293.15
2	0.00	0.00	0.00	0.00	0.35	4292.80
3	0.00	0.00	0.00	0.00	0.35	4292.45
4	0.00	0.00	0.00	0.00	1.06	4291.39
5	0.00	0.00	0.00	0.00	3.50	4287.89
6	0.00	0.00	0.00	0.00	3.49	4284.40
7	0.00	0.00	18.07	0.00	3.48	4262.85
8	0.00	0.00	500.00	0.00	3.46	3759.39
9	0.00	0.00	0.00	0.00	3.03	3756.36
10	0.00	0.00	0.00	0.00	3.02	3753.34
11	0.00	0.00	0.00	0.00	3.01	3750.33
12	0.00	0.00	0.00	0.00	3.01	3747.32
13	0.00	0.00	0.00	0.00	3.01	3744.31
14	0.00	0.00	0.00	0.00	2.98	3741.33
15	0.00	0.00	0.00	0.00	2.97	3738.36
16	0.00	0.00	0.00	0.00	2.96	3735.40
17	0.00	0.00	0.00	0.00	2.94	3732.46
18	0.00	0.00	0.00	0.00	2.94	3729.52
19	0.00	0.00	0.00	0.00	2.94	3726.58
20	1.74	0.00	0.00	0.00	2.94	3725.38
21	7.46	0.00	0.00	0.00	2.93	3729.91
22	2.42	0.00	0.00	0.00	2.93	3729.40
23	6.22	0.00	0.00	0.00	2.92	3732.70
24	11.85	0.00	0.00	0.00	2.92	3741.63
25	4.31	0.00	0.00	0.00	2.93	3743.01
26	0.00	0.00	0.00	0.00	2.93	3740.08
27	0.00	0.00	0.00	0.00	2.93	3737.15
28	1.63	0.00	0.00	0.00	2.92	3735.86
29	1.13	0.00	0.00	0.00	2.92	3734.07
30	0.00	0.00	0.00	0.00	2.92	3731.15
31	0.00	472.92	0.00	0.00	3.75	4200.32
	36.76	472.92	518.07	0.00	84.70	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2665.03
1	0.00	0.00	0.00	0.00	0.16	2664.87
2	0.00	0.00	0.00	0.00	0.22	2664.65
3	0.00	0.00	0.00	0.00	0.22	2664.43
4	0.00	0.00	0.00	0.00	0.66	2663.77
5	0.00	0.00	0.00	0.00	2.17	2661.60
6	0.00	0.00	0.00	0.00	2.16	2659.44
7	0.00	0.00	0.00	0.00	2.15	2657.29
8	0.00	0.00	0.00	0.00	2.15	2655.14
9	0.00	0.00	0.00	0.00	2.14	2653.00
10	0.00	0.00	0.00	0.00	2.13	2650.87
11	0.00	0.00	0.00	0.00	2.12	2648.75
12	0.00	0.00	0.00	0.00	2.12	2646.63
13	0.00	0.00	0.00	0.00	2.12	2644.51
14	0.00	0.00	0.00	0.00	2.10	2642.41
15	0.00	0.00	0.00	0.00	2.09	2640.32
16	0.00	0.00	0.00	0.00	2.08	2638.24
17	0.00	0.00	0.00	0.00	2.07	2636.17
18	0.00	0.00	0.00	0.00	2.07	2634.10
19	0.00	0.00	0.00	0.00	2.07	2632.03
20	1.74	0.00	0.00	0.00	2.07	2631.70
21	7.46	0.00	0.00	0.00	2.07	2637.09
22	2.42	0.00	0.00	0.00	2.07	2637.44
23	6.22	0.00	0.00	0.00	2.07	2641.59
24	11.85	0.00	0.00	0.00	2.07	2651.37
25	4.31	0.00	0.00	0.00	2.08	2653.60
26	0.00	0.00	0.00	0.00	2.08	2651.52
27	0.00	0.00	0.00	0.00	2.08	2649.44
28	1.63	0.00	0.00	0.00	2.07	2649.00
29	1.13	0.00	0.00	0.00	2.07	2648.06
30	0.00	0.00	0.00	0.00	2.07	2645.99
31	0.00	0.00	0.00	0.00	2.66	2643.33
	36.76	0.00	0.00	0.00	58.46	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.23
1	0.00	0.00	0.00	0.00	0.01	173.22
2	0.00	0.00	0.00	0.00	0.01	173.21
3	0.00	0.00	0.00	0.00	0.01	173.20
4	0.00	0.00	0.00	0.00	0.04	173.16
5	0.00	0.00	0.00	0.00	0.14	173.02
6	0.00	0.00	0.00	0.00	0.14	172.88
7	0.00	0.00	0.00	0.00	0.14	172.74
8	0.00	0.00	0.00	0.00	0.14	172.60
9	0.00	0.00	0.00	0.00	0.14	172.46
10	0.00	0.00	0.00	0.00	0.14	172.32
11	0.00	0.00	0.00	0.00	0.14	172.18
12	0.00	0.00	0.00	0.00	0.14	172.04
13	0.00	0.00	0.00	0.00	0.14	171.90
14	0.00	0.00	0.00	0.00	0.14	171.76
15	0.00	0.00	0.00	0.00	0.14	171.62
16	0.00	0.00	0.00	0.00	0.14	171.48
17	0.00	0.00	0.00	0.00	0.13	171.35
18	0.00	0.00	0.00	0.00	0.13	171.22
19	0.00	0.00	0.00	0.00	0.13	171.09
20	0.00	0.00	0.00	0.00	0.13	170.96
21	0.00	0.00	0.00	0.00	0.13	170.83
22	0.00	0.00	0.00	0.00	0.13	170.70
23	0.00	0.00	0.00	0.00	0.13	170.57
24	0.00	0.00	0.00	0.00	0.13	170.44
25	0.00	0.00	0.00	0.00	0.13	170.31
26	0.00	0.00	0.00	0.00	0.13	170.18
27	0.00	0.00	0.00	0.00	0.13	170.05
28	0.00	0.00	0.00	0.00	0.13	169.92
29	0.00	0.00	0.00	0.00	0.13	169.79
30	0.00	0.00	0.00	0.00	0.13	169.66
31	0.00	472.92	0.00	0.00	0.17	642.41
	0.00	472.92	0.00	0.00	3.74	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						32.20
1	0.00	0.00	0.00	0.00	0.00	32.20
2	0.00	0.00	0.00	0.00	0.00	32.20
3	0.00	0.00	0.00	0.00	0.00	32.20
4	0.00	0.00	0.00	0.00	0.01	32.19
5	0.00	0.00	0.00	0.00	0.02	32.17
6	0.00	0.00	0.00	0.00	0.02	32.15
7	0.00	0.00	0.00	0.00	0.02	32.13
8	0.00	0.00	0.00	0.00	0.02	32.11
9	0.00	0.00	0.00	0.00	0.02	32.09
10	0.00	0.00	0.00	0.00	0.02	32.07
11	0.00	0.00	0.00	0.00	0.02	32.05
12	0.00	0.00	0.00	0.00	0.02	32.03
13	0.00	0.00	0.00	0.00	0.02	32.01
14	0.00	0.00	0.00	0.00	0.02	31.99
15	0.00	0.00	0.00	0.00	0.02	31.97
16	0.00	0.00	0.00	0.00	0.02	31.95
17	0.00	0.00	0.00	0.00	0.02	31.93
18	0.00	0.00	0.00	0.00	0.02	31.91
19	0.00	0.00	0.00	0.00	0.02	31.89
20	0.00	0.00	0.00	0.00	0.02	31.87
21	0.00	0.00	0.00	0.00	0.02	31.85
22	0.00	0.00	0.00	0.00	0.02	31.83
23	0.00	0.00	0.00	0.00	0.02	31.81
24	0.00	0.00	0.00	0.00	0.02	31.79
25	0.00	0.00	0.00	0.00	0.02	31.77
26	0.00	0.00	0.00	0.00	0.02	31.75
27	0.00	0.00	0.00	0.00	0.02	31.73
28	0.00	0.00	0.00	0.00	0.02	31.71
29	0.00	0.00	0.00	0.00	0.02	31.69
30	0.00	0.00	0.00	0.00	0.02	31.67
31	0.00	71.34	0.00	0.00	0.03	102.98
	0.00	71.34	0.00	0.00	0.56	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1.75
1	0.00	0.00	0.00	0.00	0.00	1.75
2	0.00	0.00	0.00	0.00	0.00	1.75
3	0.00	0.00	0.00	0.00	0.00	1.75
4	0.00	0.00	0.00	0.00	0.00	1.75
5	0.00	0.00	0.00	0.00	0.00	1.75
6	0.00	0.00	0.00	0.00	0.00	1.75
7	0.00	0.00	0.00	0.00	0.00	1.75
8	0.00	0.00	0.00	0.00	0.00	1.75
9	0.00	0.00	0.00	0.00	0.00	1.75
10	0.00	0.00	0.00	0.00	0.00	1.75
11	0.00	0.00	0.00	0.00	0.00	1.75
12	0.00	0.00	0.00	0.00	0.00	1.75
13	0.00	0.00	0.00	0.00	0.00	1.75
14	0.00	0.00	0.00	0.00	0.00	1.75
15	0.00	0.00	0.00	0.00	0.00	1.75
16	0.00	0.00	0.00	0.00	0.00	1.75
17	0.00	0.00	0.00	0.00	0.00	1.75
18	0.00	0.00	0.00	0.00	0.00	1.75
19	0.00	0.00	0.00	0.00	0.00	1.75
20	0.00	0.00	0.00	0.00	0.00	1.75
21	0.00	0.00	0.00	0.00	0.00	1.75
22	0.00	0.00	0.00	0.00	0.00	1.75
23	0.00	0.00	0.00	0.00	0.00	1.75
24	0.00	0.00	0.00	0.00	0.00	1.75
25	0.00	0.00	0.00	0.00	0.00	1.75
26	0.00	0.00	0.00	0.00	0.00	1.75
27	0.00	0.00	0.00	0.00	0.00	1.75
28	0.00	0.00	0.00	0.00	0.00	1.75
29	0.00	0.00	0.00	0.00	0.00	1.75
30	0.00	0.00	0.00	0.00	0.00	1.75
31	0.00	3.67	0.00	0.00	0.00	5.42
	0.00	3.67	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1133.66
1	0.00	0.00	0.00	0.00	0.07	1133.59
2	0.00	0.00	0.00	0.00	0.09	1133.50
3	0.00	0.00	0.00	0.00	0.09	1133.41
4	0.00	0.00	0.00	0.00	0.28	1133.13
5	0.00	0.00	0.00	0.00	0.92	1132.21
6	0.00	0.00	0.00	0.00	0.92	1131.29
7	0.00	0.00	18.07	0.00	0.92	1112.30
8	0.00	0.00	500.00	0.00	0.90	611.40
9	0.00	0.00	0.00	0.00	0.49	610.91
10	0.00	0.00	0.00	0.00	0.49	610.42
11	0.00	0.00	0.00	0.00	0.49	609.93
12	0.00	0.00	0.00	0.00	0.49	609.44
13	0.00	0.00	0.00	0.00	0.49	608.95
14	0.00	0.00	0.00	0.00	0.48	608.47
15	0.00	0.00	0.00	0.00	0.48	607.99
16	0.00	0.00	0.00	0.00	0.48	607.51
17	0.00	0.00	0.00	0.00	0.48	607.03
18	0.00	0.00	0.00	0.00	0.48	606.55
19	0.00	0.00	0.00	0.00	0.48	606.07
20	0.00	0.00	0.00	0.00	0.48	605.59
21	0.00	0.00	0.00	0.00	0.48	605.11
22	0.00	0.00	0.00	0.00	0.48	604.63
23	0.00	0.00	0.00	0.00	0.47	604.16
24	0.00	0.00	0.00	0.00	0.47	603.69
25	0.00	0.00	0.00	0.00	0.47	603.22
26	0.00	0.00	0.00	0.00	0.47	602.75
27	0.00	0.00	0.00	0.00	0.47	602.28
28	0.00	0.00	0.00	0.00	0.47	601.81
29	0.00	0.00	0.00	0.00	0.47	601.34
30	0.00	0.00	0.00	0.00	0.47	600.87
31	0.00	0.00	0.00	0.00	0.60	600.27
	0.00	0.00	518.07	0.00	15.32	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						30.45
1	0.00	0.00	0.00	0.00	0.00	30.45
2	0.00	0.00	0.00	0.00	0.00	30.45
3	0.00	0.00	0.00	0.00	0.00	30.45
4	0.00	0.00	0.00	0.00	0.01	30.44
5	0.00	0.00	0.00	0.00	0.02	30.42
6	0.00	0.00	0.00	0.00	0.02	30.40
7	0.00	0.00	0.00	0.00	0.02	30.38
8	0.00	0.00	0.00	0.00	0.02	30.36
9	0.00	0.00	0.00	0.00	0.02	30.34
10	0.00	0.00	0.00	0.00	0.02	30.32
11	0.00	0.00	0.00	0.00	0.02	30.30
12	0.00	0.00	0.00	0.00	0.02	30.28
13	0.00	0.00	0.00	0.00	0.02	30.26
14	0.00	0.00	0.00	0.00	0.02	30.24
15	0.00	0.00	0.00	0.00	0.02	30.22
16	0.00	0.00	0.00	0.00	0.02	30.20
17	0.00	0.00	0.00	0.00	0.02	30.18
18	0.00	0.00	0.00	0.00	0.02	30.16
19	0.00	0.00	0.00	0.00	0.02	30.14
20	0.00	0.00	0.00	0.00	0.02	30.12
21	0.00	0.00	0.00	0.00	0.02	30.10
22	0.00	0.00	0.00	0.00	0.02	30.08
23	0.00	0.00	0.00	0.00	0.02	30.06
24	0.00	0.00	0.00	0.00	0.02	30.04
25	0.00	0.00	0.00	0.00	0.02	30.02
26	0.00	0.00	0.00	0.00	0.02	30.00
27	0.00	0.00	0.00	0.00	0.02	29.98
28	0.00	0.00	0.00	0.00	0.02	29.96
29	0.00	0.00	0.00	0.00	0.02	29.94
30	0.00	0.00	0.00	0.00	0.02	29.92
31	0.00	67.67	0.00	0.00	0.03	97.56
	0.00	67.67	0.00	0.00	0.56	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						329.15
1	0.00	0.00	0.00	0.00	0.02	329.13
2	0.00	0.00	0.00	0.00	0.03	329.10
3	0.00	0.00	0.00	0.00	0.03	329.07
4	0.00	0.00	0.00	0.00	0.08	328.99
5	0.00	0.00	0.00	0.00	0.27	328.72
6	0.00	0.00	0.00	0.00	0.27	328.45
7	0.00	0.00	0.00	0.00	0.27	328.18
8	0.00	0.00	0.00	0.00	0.27	327.91
9	0.00	0.00	0.00	0.00	0.26	327.65
10	0.00	0.00	0.00	0.00	0.26	327.39
11	0.00	0.00	0.00	0.00	0.26	327.13
12	0.00	0.00	0.00	0.00	0.26	326.87
13	0.00	0.00	0.00	0.00	0.26	326.61
14	0.00	0.00	0.00	0.00	0.26	326.35
15	0.00	0.00	0.00	0.00	0.26	326.09
16	0.00	0.00	0.00	0.00	0.26	325.83
17	0.00	0.00	0.00	0.00	0.26	325.57
18	0.00	0.00	0.00	0.00	0.26	325.31
19	0.00	0.00	0.00	0.00	0.26	325.05
20	0.00	0.00	0.00	0.00	0.26	324.79
21	0.00	0.00	0.00	0.00	0.25	324.54
22	0.00	0.00	0.00	0.00	0.25	324.29
23	0.00	0.00	0.00	0.00	0.25	324.04
24	0.00	0.00	0.00	0.00	0.25	323.79
25	0.00	0.00	0.00	0.00	0.25	323.54
26	0.00	0.00	0.00	0.00	0.25	323.29
27	0.00	0.00	0.00	0.00	0.25	323.04
28	0.00	0.00	0.00	0.00	0.25	322.79
29	0.00	0.00	0.00	0.00	0.25	322.54
30	0.00	0.00	0.00	0.00	0.25	322.29
31	0.00	0.00	0.00	0.00	0.32	321.97
	0.00	0.00	0.00	0.00	7.18	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

June 18, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of April 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 30 days in April 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 95.32 acre-feet of Fort Lyon Canal shares , 49.94 acre-feet of Highland Canal and 164.37 acre-feet Keesee Ditch Shares to theshares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in April 2021 totaled 309.63 acre-feet.

After running the H-I Model for 2020, the Ten-year Accounting of Depletions and Accretions to Usable Stateline Flow showed a deficit of 62 acre-feet at the state line. Lower Arkansas Water Management Association (LAWMA) will make up that shortfall pursuant to Appendix A.2. In addition, LAWMA had a deficit of 3,421.64 acre-feet at the state line, which LAWMA will replace with a transfer within the Offset Account. This state-line monthly deficit includes carry-over from January, February and March 2021.

As of April 30, 2021, a total of 4,473.58 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
April 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	493.64	216.50
2	BOOTH ORCHARD	0.46	0.26
3	EXCELSIOR	107.84	53.93
4	COLLIER	0.00	0.00
5	COLORADO	211.18	130.39
6	ROCKY FORD HIGHLINE	263.25	174.15
7	OXFORD	159.26	131.41
8	OTERO	13.43	4.83
9	CATLIN	704.52	357.57
10	FORT LYON US	700.66	260.97
11	ROCKY FORD	19.46	9.75
12	HOLBROOK	304.11	150.39
13	LAS ANIMAS CONSOLIDATED	30.99	13.44
14	BALDWIN-STUBBS	71.84	46.79
15	FORT BENT	154.35	86.29
17	AMITY	816.35	521.69
18	LAMAR/MANVEL	141.70	73.04
19	HYDE	15.70	11.78
20	FORT LYON DS	322.88	202.37
21	XY GRAHAM	256.43	181.75
22	BUFFALO	3.62	1.31
24	STATELINE SOLE SOURCE	1083.46	812.63
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	6.70	5.02
	Totals	5881.83	3446.26

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
April 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	92.93	0.00	522.79	188.17	11.78	151.66	66.62	1.31	0.00	729.82	1765.08

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
April 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	242.64	568.66	22.39	833.69	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	198.72	465.73	18.34	682.79	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00	0.00
Fort Lyon Aug Station/Recharge	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
Lamar Center Farm				0.00	0.00					0.00	0.00	0.00
Lamar Granada East/West								0.00		0.00	0.00	0.00
Ft Bent Ditch Shares			0.00	0.00						0.00	0.00	0.00
Stubbs Direct Flow								17.73		17.73	0.00	0.00
XY Direct Flow					0.00	0.00				0.00	0.00	0.00
Manvel Direct Flow					0.00					0.00	0.00	0.00
Offset Account Release Credit									665.06	665.06	293.85	-3421.64
Offset Account Transit Loss	0.00			0.00			0.00			0.00	0.00	0.00
Offset Account Water	0									0.00	0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.73	665.06	682.79	293.85	
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: The Offset Account credits were reset to 0 acre-feet in January 2021 on June 1, 2021 pursuant to a new H-I Model run for 2020.

Enclosure 1

John Martin Offset Accounting for April 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4303.30
1	0.00	0.00	0.00	0.00	4.34	4298.96
2	1.19	0.00	0.00	0.00	4.97	4295.18
3	1.27	0.00	0.00	0.00	4.66	4291.79
4	1.93	0.00	0.00	0.00	4.66	4289.06
5	2.01	0.00	0.00	0.00	4.48	4286.59
6	1.35	0.00	0.00	0.00	7.19	4280.75
7	1.22	0.00	0.00	0.00	3.83	4278.14
8	1.18	0.00	0.00	0.00	3.27	4276.05
9	3.78	0.00	0.00	0.00	5.11	4274.72
10	3.24	0.00	0.00	0.00	5.10	4272.86
11	2.33	0.00	0.00	0.00	4.93	4270.26
12	1.75	0.00	0.00	0.00	2.85	4269.16
13	1.41	0.00	0.00	0.00	4.30	4266.27
14	1.38	0.00	0.00	0.00	3.33	4264.32
15	1.28	0.00	0.00	0.00	0.48	4265.12
16	5.76	0.00	0.00	0.00	2.55	4268.33
17	8.24	0.00	0.00	0.00	2.55	4274.02
18	8.61	0.00	0.00	0.00	2.70	4279.93
19	21.22	0.00	0.00	0.00	4.32	4296.83
20	28.43	0.00	0.00	0.00	4.33	4320.93
21	32.85	0.00	0.00	0.00	3.37	4350.41
22	39.82	0.00	0.00	0.00	4.87	4385.36
23	34.36	0.00	0.00	0.00	6.05	4413.67
24	22.47	0.00	0.00	0.00	6.09	4430.05
25	14.89	0.00	0.00	0.00	5.96	4438.98
26	15.53	0.00	0.00	0.00	11.13	4443.38
27	16.40	0.00	0.00	0.00	4.33	4455.45
28	15.14	0.00	0.00	0.00	4.35	4466.24
29	16.62	0.00	0.00	0.00	6.69	4476.17
30	3.97	0.00	0.00	0.00	6.56	4473.58
	309.63	0.00	0.00	0.00	139.35	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						922.24
1	0.00	0.00	0.00	0.00	0.92	921.32
2	0.00	0.00	0.00	0.00	1.06	920.26
3	0.00	0.00	0.00	0.00	1.00	919.26
4	0.00	0.00	0.00	0.00	1.00	918.26
5	0.00	0.00	0.00	0.00	0.95	917.31
6	0.00	0.00	0.00	0.00	1.54	915.77
7	0.00	0.00	0.00	0.00	0.82	914.95
8	0.00	0.00	0.00	0.00	0.70	914.25
9	0.00	0.00	0.00	0.00	1.09	913.16
10	0.00	0.00	0.00	0.00	1.09	912.07
11	0.00	0.00	0.00	0.00	1.05	911.02
12	0.00	0.00	0.00	0.00	0.61	910.41
13	0.00	0.00	0.00	0.00	0.91	909.50
14	0.00	0.00	0.00	0.00	0.71	908.79
15	0.00	0.00	0.00	0.00	0.11	908.68
16	0.00	0.00	0.00	0.00	0.54	908.14
17	0.00	0.00	0.00	0.00	0.54	907.60
18	0.00	0.00	0.00	0.00	0.57	907.03
19	0.00	0.00	0.00	0.00	0.91	906.12
20	0.00	0.00	0.00	0.00	0.91	905.21
21	0.00	0.00	0.00	0.00	0.71	904.50
22	0.00	0.00	0.00	0.00	1.01	903.49
23	0.00	0.00	0.00	0.00	1.24	902.25
24	0.00	0.00	0.00	0.00	1.24	901.01
25	0.00	0.00	0.00	0.00	1.21	899.80
26	0.00	0.00	0.00	0.00	2.26	897.54
27	0.00	0.00	0.00	0.00	0.87	896.67
28	0.00	0.00	0.00	0.00	0.87	895.80
29	0.00	0.00	0.00	0.00	1.34	894.46
30	0.00	0.00	0.00	0.00	1.31	893.15
	0.00	0.00	0.00	0.00	29.09	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4200.32
1	0.00	0.00	0.00	0.00	4.23	4196.09
2	1.19	0.00	0.00	0.00	4.85	4192.43
3	1.27	0.00	0.00	0.00	4.54	4189.16
4	1.93	0.00	0.00	0.00	4.54	4186.55
5	2.01	0.00	0.00	0.00	4.37	4184.19
6	1.35	0.00	0.00	0.00	7.02	4178.52
7	1.22	0.00	0.00	0.00	3.74	4176.00
8	1.18	0.00	0.00	0.00	3.20	4173.98
9	3.78	0.00	0.00	0.00	4.98	4172.78
10	3.24	0.00	0.00	0.00	4.98	4171.04
11	2.33	0.00	0.00	0.00	4.81	4168.56
12	1.75	0.00	0.00	0.00	2.79	4167.52
13	1.41	0.00	0.00	0.00	4.19	4164.74
14	1.38	0.00	0.00	0.00	3.25	4162.87
15	1.28	0.00	0.00	0.00	0.47	4163.68
16	5.76	0.00	0.00	0.00	2.49	4166.95
17	8.24	0.00	0.00	0.00	2.49	4172.70
18	8.61	0.00	0.00	0.00	2.64	4178.67
19	21.22	0.00	0.00	0.00	4.21	4195.68
20	28.43	0.00	0.00	0.00	4.22	4219.89
21	32.85	0.00	0.00	0.00	3.30	4249.44
22	39.82	0.00	0.00	0.00	4.75	4284.51
23	34.36	0.00	0.00	0.00	5.91	4312.96
24	22.47	0.00	0.00	0.00	5.95	4329.48
25	14.89	0.00	0.00	0.00	5.82	4338.55
26	15.53	0.00	0.00	0.00	10.88	4343.20
27	16.40	0.00	0.00	0.00	4.23	4355.37
28	15.14	0.00	0.00	0.00	4.25	4366.26
29	16.62	0.00	0.00	0.00	6.54	4376.34
30	3.97	0.00	0.00	0.00	6.41	4373.90
	309.63	0.00	0.00	0.00	136.05	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2643.33
1	0.00	0.00	0.00	0.00	2.66	2640.67
2	1.19	0.00	0.00	0.00	3.05	2638.81
3	1.27	0.00	0.00	0.00	2.85	2637.23
4	1.93	0.00	0.00	0.00	2.85	2636.31
5	2.01	0.00	0.00	0.00	2.75	2635.57
6	1.35	0.00	0.00	0.00	4.41	2632.51
7	1.22	0.00	0.00	0.00	2.35	2631.38
8	1.18	0.00	0.00	0.00	2.01	2630.55
9	3.78	0.00	0.00	0.00	3.13	2631.20
10	3.24	0.00	0.00	0.00	3.13	2631.31
11	2.33	0.00	0.00	0.00	3.03	2630.61
12	1.75	0.00	0.00	0.00	1.76	2630.60
13	1.41	0.00	0.00	0.00	2.64	2629.37
14	1.38	0.00	0.00	0.00	2.05	2628.70
15	1.28	0.00	0.00	0.00	0.29	2629.69
16	5.76	0.00	0.00	0.00	1.57	2633.88
17	8.24	0.00	0.00	0.00	1.57	2640.55
18	8.61	0.00	0.00	0.00	1.67	2647.49
19	21.22	0.00	0.00	0.00	2.66	2666.05
20	28.43	0.00	0.00	0.00	2.68	2691.80
21	32.85	0.00	0.00	0.00	2.10	2722.55
22	39.82	0.00	0.00	0.00	3.04	2759.33
23	34.36	0.00	0.00	0.00	3.80	2789.89
24	22.47	0.00	0.00	0.00	3.84	2808.52
25	14.89	0.00	0.00	0.00	3.77	2819.64
26	15.53	0.00	0.00	0.00	7.05	2828.12
27	16.40	0.00	0.00	0.00	2.75	2841.77
28	15.14	0.00	0.00	0.00	2.77	2854.14
29	16.62	0.00	0.00	0.00	4.27	2866.49
30	3.97	0.00	0.00	0.00	4.19	2866.27
	309.63	0.00	0.00	0.00	86.69	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						642.41
1	0.00	0.00	0.00	0.00	0.65	641.76
2	0.00	0.00	0.00	0.00	0.74	641.02
3	0.00	0.00	0.00	0.00	0.69	640.33
4	0.00	0.00	0.00	0.00	0.69	639.64
5	0.00	0.00	0.00	0.00	0.67	638.97
6	0.00	0.00	0.00	0.00	1.07	637.90
7	0.00	0.00	0.00	0.00	0.57	637.33
8	0.00	0.00	0.00	0.00	0.49	636.84
9	0.00	0.00	0.00	0.00	0.76	636.08
10	0.00	0.00	0.00	0.00	0.76	635.32
11	0.00	0.00	0.00	0.00	0.73	634.59
12	0.00	0.00	0.00	0.00	0.42	634.17
13	0.00	0.00	0.00	0.00	0.64	633.53
14	0.00	0.00	0.00	0.00	0.49	633.04
15	0.00	0.00	0.00	0.00	0.07	632.97
16	0.00	0.00	0.00	0.00	0.38	632.59
17	0.00	0.00	0.00	0.00	0.38	632.21
18	0.00	0.00	0.00	0.00	0.40	631.81
19	0.00	0.00	0.00	0.00	0.64	631.17
20	0.00	0.00	0.00	0.00	0.63	630.54
21	0.00	0.00	0.00	0.00	0.49	630.05
22	0.00	0.00	0.00	0.00	0.70	629.35
23	0.00	0.00	0.00	0.00	0.87	628.48
24	0.00	0.00	0.00	0.00	0.87	627.61
25	0.00	0.00	0.00	0.00	0.84	626.77
26	0.00	0.00	0.00	0.00	1.57	625.20
27	0.00	0.00	0.00	0.00	0.61	624.59
28	0.00	0.00	0.00	0.00	0.61	623.98
29	0.00	0.00	0.00	0.00	0.93	623.05
30	0.00	0.00	0.00	0.00	0.91	622.14
	0.00	0.00	0.00	0.00	20.27	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						102.98
1	0.00	0.00	0.00	0.00	0.11	102.87
2	0.00	0.00	0.00	0.00	0.12	102.75
3	0.00	0.00	0.00	0.00	0.12	102.63
4	0.00	0.00	0.00	0.00	0.12	102.51
5	0.00	0.00	0.00	0.00	0.11	102.40
6	0.00	0.00	0.00	0.00	0.17	102.23
7	0.00	0.00	0.00	0.00	0.09	102.14
8	0.00	0.00	0.00	0.00	0.07	102.07
9	0.00	0.00	0.00	0.00	0.13	101.94
10	0.00	0.00	0.00	0.00	0.12	101.82
11	0.00	0.00	0.00	0.00	0.12	101.70
12	0.00	0.00	0.00	0.00	0.06	101.64
13	0.00	0.00	0.00	0.00	0.11	101.53
14	0.00	0.00	0.00	0.00	0.08	101.45
15	0.00	0.00	0.00	0.00	0.01	101.44
16	0.00	0.00	0.00	0.00	0.06	101.38
17	0.00	0.00	0.00	0.00	0.06	101.32
18	0.00	0.00	0.00	0.00	0.06	101.26
19	0.00	0.00	0.00	0.00	0.11	101.15
20	0.00	0.00	0.00	0.00	0.11	101.04
21	0.00	0.00	0.00	0.00	0.07	100.97
22	0.00	0.00	0.00	0.00	0.12	100.85
23	0.00	0.00	0.00	0.00	0.14	100.71
24	0.00	0.00	0.00	0.00	0.14	100.57
25	0.00	0.00	0.00	0.00	0.14	100.43
26	0.00	0.00	0.00	0.00	0.25	100.18
27	0.00	0.00	0.00	0.00	0.10	100.08
28	0.00	0.00	0.00	0.00	0.10	99.98
29	0.00	0.00	0.00	0.00	0.15	99.83
30	0.00	0.00	0.00	0.00	0.15	99.68
	0.00	0.00	0.00	0.00	3.30	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.42
1	0.00	0.00	0.00	0.00	0.01	5.41
2	0.00	0.00	0.00	0.00	0.01	5.40
3	0.00	0.00	0.00	0.00	0.01	5.39
4	0.00	0.00	0.00	0.00	0.01	5.38
5	0.00	0.00	0.00	0.00	0.01	5.37
6	0.00	0.00	0.00	0.00	0.01	5.36
7	0.00	0.00	0.00	0.00	0.00	5.36
8	0.00	0.00	0.00	0.00	0.00	5.36
9	0.00	0.00	0.00	0.00	0.01	5.35
10	0.00	0.00	0.00	0.00	0.01	5.34
11	0.00	0.00	0.00	0.00	0.01	5.33
12	0.00	0.00	0.00	0.00	0.00	5.33
13	0.00	0.00	0.00	0.00	0.01	5.32
14	0.00	0.00	0.00	0.00	0.00	5.32
15	0.00	0.00	0.00	0.00	0.00	5.32
16	0.00	0.00	0.00	0.00	0.00	5.32
17	0.00	0.00	0.00	0.00	0.00	5.32
18	0.00	0.00	0.00	0.00	0.00	5.32
19	0.00	0.00	0.00	0.00	0.01	5.31
20	0.00	0.00	0.00	0.00	0.01	5.30
21	0.00	0.00	0.00	0.00	0.00	5.30
22	0.00	0.00	0.00	0.00	0.01	5.29
23	0.00	0.00	0.00	0.00	0.01	5.28
24	0.00	0.00	0.00	0.00	0.01	5.27
25	0.00	0.00	0.00	0.00	0.01	5.26
26	0.00	0.00	0.00	0.00	0.01	5.25
27	0.00	0.00	0.00	0.00	0.01	5.24
28	0.00	0.00	0.00	0.00	0.01	5.23
29	0.00	0.00	0.00	0.00	0.01	5.22
30	0.00	0.00	0.00	0.00	0.01	5.21
	0.00	0.00	0.00	0.00	0.21	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						600.27
1	0.00	0.00	0.00	0.00	0.60	599.67
2	0.00	0.00	0.00	0.00	0.69	598.98
3	0.00	0.00	0.00	0.00	0.65	598.33
4	0.00	0.00	0.00	0.00	0.65	597.68
5	0.00	0.00	0.00	0.00	0.62	597.06
6	0.00	0.00	0.00	0.00	1.00	596.06
7	0.00	0.00	0.00	0.00	0.53	595.53
8	0.00	0.00	0.00	0.00	0.46	595.07
9	0.00	0.00	0.00	0.00	0.71	594.36
10	0.00	0.00	0.00	0.00	0.71	593.65
11	0.00	0.00	0.00	0.00	0.68	592.97
12	0.00	0.00	0.00	0.00	0.40	592.57
13	0.00	0.00	0.00	0.00	0.59	591.98
14	0.00	0.00	0.00	0.00	0.46	591.52
15	0.00	0.00	0.00	0.00	0.07	591.45
16	0.00	0.00	0.00	0.00	0.35	591.10
17	0.00	0.00	0.00	0.00	0.35	590.75
18	0.00	0.00	0.00	0.00	0.37	590.38
19	0.00	0.00	0.00	0.00	0.59	589.79
20	0.00	0.00	0.00	0.00	0.59	589.20
21	0.00	0.00	0.00	0.00	0.46	588.74
22	0.00	0.00	0.00	0.00	0.66	588.08
23	0.00	0.00	0.00	0.00	0.81	587.27
24	0.00	0.00	0.00	0.00	0.81	586.46
25	0.00	0.00	0.00	0.00	0.79	585.67
26	0.00	0.00	0.00	0.00	1.47	584.20
27	0.00	0.00	0.00	0.00	0.57	583.63
28	0.00	0.00	0.00	0.00	0.57	583.06
29	0.00	0.00	0.00	0.00	0.87	582.19
30	0.00	0.00	0.00	0.00	0.85	581.34
	0.00	0.00	0.00	0.00	18.93	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						97.56
1	0.00	0.00	0.00	0.00	0.10	97.46
2	0.00	0.00	0.00	0.00	0.11	97.35
3	0.00	0.00	0.00	0.00	0.11	97.24
4	0.00	0.00	0.00	0.00	0.11	97.13
5	0.00	0.00	0.00	0.00	0.10	97.03
6	0.00	0.00	0.00	0.00	0.16	96.87
7	0.00	0.00	0.00	0.00	0.09	96.78
8	0.00	0.00	0.00	0.00	0.07	96.71
9	0.00	0.00	0.00	0.00	0.12	96.59
10	0.00	0.00	0.00	0.00	0.11	96.48
11	0.00	0.00	0.00	0.00	0.11	96.37
12	0.00	0.00	0.00	0.00	0.06	96.31
13	0.00	0.00	0.00	0.00	0.10	96.21
14	0.00	0.00	0.00	0.00	0.08	96.13
15	0.00	0.00	0.00	0.00	0.01	96.12
16	0.00	0.00	0.00	0.00	0.06	96.06
17	0.00	0.00	0.00	0.00	0.06	96.00
18	0.00	0.00	0.00	0.00	0.06	95.94
19	0.00	0.00	0.00	0.00	0.10	95.84
20	0.00	0.00	0.00	0.00	0.10	95.74
21	0.00	0.00	0.00	0.00	0.07	95.67
22	0.00	0.00	0.00	0.00	0.11	95.56
23	0.00	0.00	0.00	0.00	0.13	95.43
24	0.00	0.00	0.00	0.00	0.13	95.30
25	0.00	0.00	0.00	0.00	0.13	95.17
26	0.00	0.00	0.00	0.00	0.24	94.93
27	0.00	0.00	0.00	0.00	0.09	94.84
28	0.00	0.00	0.00	0.00	0.09	94.75
29	0.00	0.00	0.00	0.00	0.14	94.61
30	0.00	0.00	0.00	0.00	0.14	94.47
	0.00	0.00	0.00	0.00	3.09	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						321.97
1	0.00	0.00	0.00	0.00	0.32	321.65
2	0.00	0.00	0.00	0.00	0.37	321.28
3	0.00	0.00	0.00	0.00	0.35	320.93
4	0.00	0.00	0.00	0.00	0.35	320.58
5	0.00	0.00	0.00	0.00	0.33	320.25
6	0.00	0.00	0.00	0.00	0.54	319.71
7	0.00	0.00	0.00	0.00	0.29	319.42
8	0.00	0.00	0.00	0.00	0.24	319.18
9	0.00	0.00	0.00	0.00	0.38	318.80
10	0.00	0.00	0.00	0.00	0.38	318.42
11	0.00	0.00	0.00	0.00	0.37	318.05
12	0.00	0.00	0.00	0.00	0.21	317.84
13	0.00	0.00	0.00	0.00	0.32	317.52
14	0.00	0.00	0.00	0.00	0.25	317.27
15	0.00	0.00	0.00	0.00	0.04	317.23
16	0.00	0.00	0.00	0.00	0.19	317.04
17	0.00	0.00	0.00	0.00	0.19	316.85
18	0.00	0.00	0.00	0.00	0.20	316.65
19	0.00	0.00	0.00	0.00	0.32	316.33
20	0.00	0.00	0.00	0.00	0.32	316.01
21	0.00	0.00	0.00	0.00	0.25	315.76
22	0.00	0.00	0.00	0.00	0.35	315.41
23	0.00	0.00	0.00	0.00	0.43	314.98
24	0.00	0.00	0.00	0.00	0.43	314.55
25	0.00	0.00	0.00	0.00	0.42	314.13
26	0.00	0.00	0.00	0.00	0.79	313.34
27	0.00	0.00	0.00	0.00	0.30	313.04
28	0.00	0.00	0.00	0.00	0.30	312.74
29	0.00	0.00	0.00	0.00	0.47	312.27
30	0.00	0.00	0.00	0.00	0.46	311.81
	0.00	0.00	0.00	0.00	10.16	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

July 1, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of May 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days in May 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 369.22 acre-feet of Fort Lyon Canal shares, 597.26 acre-feet of Highland Canal and 135.53 acre-feet Keesee Ditch Shares to the shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in May 2021 totaled 1102.01 acre-feet.

After running the H-I Model for 2020, the Ten-year Accounting of Depletions and Accretions to Usable Stateline Flow showed a deficit of 62 acre-feet at the state line. Lower Arkansas Water Management Association (LAWMA) will make up that shortfall pursuant to Appendix A.2. In addition, LAWMA had a deficit of 4,117.30 acre-feet at the state line, which LAWMA will replace with a transfer within the Offset Account. This state-line monthly deficit includes carry-over from January, February, March and April 2021.

As of May 31, 2021, a total of 5,424.62 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of May 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
May 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	289.29	149.15
2	BOOTH ORCHARD	2.0275	1.0875
3	EXCELSIOR	1.49	0.75
4	COLLIER	0.19	0.06
5	COLORADO	97.99	62.16
6	ROCKY FORD HIGHLINE	98.46	41.32
7	OXFORD	58.19	23.74
8	OTERO	3.05	1.09
9	CATLIN	466.51	243.01
10	FORT LYON US	448.29	167.5
11	ROCKY FORD	2.69	1.35
12	HOLBROOK	253.34	140.42
13	LAS ANIMAS CONSOLIDATED	24.27	11.34
14	BALDWIN-STUBBS	73.52	38.49
15	FORT BENT	81.85	40.11
17	AMITY	620.52	424.43
18	LAMAR/MANVEL	73.25	34.43
19	HYDE	50.41	32.67
20	FORT LYON DS	245.49	155.37
21	XY GRAHAM	190.55	125.12
22	BUFFALO	0.07	0.02
24	STATELINE SOLE SOURCE	959.3	719.53
601	LAWMA A.P.D.	1.97	0.71
602	LAWMA A.P.D.	16.43	12.33
	Totals	4059.15	2426.19

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
May 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	26.88	0.00	421.79	34.43	32.67	152.63	125.12	0.02	0.00	710.04	1503.58

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
May 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	221.45	641.08	19.33	881.86	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	181.37	525.04	15.83	722.24	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0				0.00	0.00					0.00	0.00
Lamar Granada East/West									0.00		0.00	0.00
Ft Bent Ditch Shares	0				0.00						0.00	0
Stubbs Direct Flow	0								19.85		19.85	0
XY Direct Flow	0					0.00	0.00				0.00	0
Manvel Direct Flow	0					0.00					0.00	0
Offset Account Release Credit	-3414.91									702.39	702.39	-4117.30
Offset Account Transit Loss	0	0.00			0.00			0.00			0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.85	702.39	722.24	0.00	
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: The Offset Account credits were reset to 0 acre-feet in January 2021 on June 1, 2021 pursuant to a new H-I Model run for 2020.

Enclosure 1

John Martin Offset Accounting for May 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4473.58
1	11.50	0.00	0.00	0.00	6.55	4478.53
2	11.63	0.00	0.00	0.00	6.56	4483.60
3	11.63	0.00	0.00	0.00	1.69	4493.54
4	11.40	0.00	0.00	0.00	1.01	4503.93
5	11.30	0.00	0.00	0.00	5.58	4509.65
6	10.31	0.00	0.00	0.00	4.42	4515.54
7	10.31	0.00	0.00	0.00	4.09	4521.76
8	10.93	0.00	0.00	0.00	4.11	4528.58
9	12.04	0.00	0.00	0.00	4.14	4536.48
10	24.58	0.00	0.00	0.00	5.38	4555.68
11	36.95	0.00	0.00	0.00	5.42	4587.21
12	45.74	0.00	0.00	0.00	5.46	4627.49
13	30.10	0.00	0.00	0.00	5.49	4652.10
14	1.50	0.00	0.00	0.00	1.06	4652.54
15	3.64	0.00	0.00	0.00	1.07	4655.11
16	1.34	0.00	0.00	0.00	0.91	4655.54
17	0.00	0.00	0.00	0.00	5.53	4650.01
18	0.00	0.00	0.00	0.00	1.49	4648.52
19	18.74	0.00	0.00	0.00	3.89	4663.37
20	46.72	0.00	0.00	0.00	10.60	4699.49
21	38.01	0.00	0.00	0.00	3.95	4733.55
22	35.40	0.00	0.00	0.00	4.18	4764.77
23	48.81	0.00	0.00	0.00	7.87	4805.71
24	69.99	0.00	0.00	0.00	7.18	4868.52
25	49.93	0.00	0.00	0.00	2.56	4915.89
26	76.97	0.00	0.00	0.00	6.80	4986.06
27	87.31	0.00	0.00	0.00	7.88	5065.49
28	106.36	0.00	0.00	0.00	6.01	5165.84
29	113.62	0.00	0.00	0.00	6.02	5273.44
30	89.45	0.00	0.00	0.00	6.25	5356.64
31	75.80	0.00	0.00	0.00	7.82	5424.62
	1102.01	0.00	0.00	0.00	150.97	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						893.15
1	0.00	0.00	0.00	0.00	1.31	891.84
2	0.00	0.00	0.00	0.00	1.30	890.54
3	0.00	0.00	0.00	0.00	0.34	890.20
4	0.00	0.00	0.00	0.00	0.20	890.00
5	0.00	0.00	0.00	0.00	1.10	888.90
6	0.00	0.00	0.00	0.00	0.87	888.03
7	0.00	0.00	0.00	0.00	0.80	887.23
8	0.00	0.00	0.00	0.00	0.80	886.43
9	0.00	0.00	0.00	0.00	0.81	885.62
10	0.00	0.00	0.00	0.00	1.05	884.57
11	0.00	0.00	0.00	0.00	1.05	883.52
12	0.00	0.00	0.00	0.00	1.05	882.47
13	0.00	0.00	0.00	0.00	1.04	881.43
14	0.00	0.00	0.00	0.00	0.20	881.23
15	0.00	0.00	0.00	0.00	0.20	881.03
16	0.00	0.00	0.00	0.00	0.17	880.86
17	0.00	0.00	0.00	0.00	1.04	879.82
18	0.00	0.00	0.00	0.00	0.28	879.54
19	0.00	0.00	0.00	0.00	0.74	878.80
20	0.00	0.00	0.00	0.00	2.00	876.80
21	0.00	0.00	0.00	0.00	0.74	876.06
22	0.00	0.00	0.00	0.00	0.77	875.29
23	0.00	0.00	0.00	0.00	1.44	873.85
24	0.00	0.00	0.00	0.00	1.30	872.55
25	0.00	0.00	0.00	0.00	0.46	872.09
26	0.00	0.00	0.00	0.00	1.20	870.89
27	0.00	0.00	0.00	0.00	1.37	869.52
28	0.00	0.00	0.00	0.00	1.03	868.49
29	0.00	0.00	0.00	0.00	1.01	867.48
30	0.00	0.00	0.00	0.00	1.03	866.45
31	0.00	0.00	0.00	0.00	1.26	865.19
	0.00	0.00	0.00	0.00	27.96	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4373.90
1	11.50	0.00	0.00	0.00	6.40	4379.00
2	11.63	0.00	0.00	0.00	6.41	4384.22
3	11.63	0.00	0.00	0.00	1.65	4394.20
4	11.40	0.00	0.00	0.00	0.99	4404.61
5	11.30	0.00	0.00	0.00	5.45	4410.46
6	10.31	0.00	0.00	0.00	4.32	4416.45
7	10.31	0.00	0.00	0.00	4.00	4422.76
8	10.93	0.00	0.00	0.00	4.02	4429.67
9	12.04	0.00	0.00	0.00	4.05	4437.66
10	24.58	0.00	0.00	0.00	5.26	4456.98
11	36.95	0.00	0.00	0.00	5.30	4488.63
12	45.74	0.00	0.00	0.00	5.34	4529.03
13	30.10	0.00	0.00	0.00	5.37	4553.76
14	1.50	0.00	0.00	0.00	1.04	4554.22
15	3.64	0.00	0.00	0.00	1.05	4556.81
16	1.34	0.00	0.00	0.00	0.89	4557.26
17	0.00	0.00	0.00	0.00	5.41	4551.85
18	0.00	0.00	0.00	0.00	1.46	4550.39
19	18.74	0.00	0.00	0.00	3.81	4565.32
20	46.72	0.00	0.00	0.00	10.38	4601.66
21	38.01	0.00	0.00	0.00	3.87	4635.80
22	35.40	0.00	0.00	0.00	4.10	4667.10
23	48.81	0.00	0.00	0.00	7.71	4708.20
24	69.99	0.00	0.00	0.00	7.03	4771.16
25	49.93	0.00	0.00	0.00	2.51	4818.58
26	76.97	0.00	0.00	0.00	6.66	4888.89
27	87.31	0.00	0.00	0.00	7.72	4968.48
28	106.36	0.00	0.00	0.00	5.89	5068.95
29	113.62	0.00	0.00	0.00	5.90	5176.67
30	89.45	0.00	0.00	0.00	6.13	5259.99
31	75.80	0.00	0.00	0.00	7.68	5328.11
	1102.01	0.00	0.00	0.00	147.80	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2866.27
1	11.50	0.00	0.00	0.00	4.18	2873.59
2	11.63	0.00	0.00	0.00	4.20	2881.02
3	11.63	0.00	0.00	0.00	1.08	2891.57
4	11.40	0.00	0.00	0.00	0.65	2902.32
5	11.30	0.00	0.00	0.00	3.58	2910.04
6	10.31	0.00	0.00	0.00	2.84	2917.51
7	10.31	0.00	0.00	0.00	2.64	2925.18
8	10.93	0.00	0.00	0.00	2.66	2933.45
9	12.04	0.00	0.00	0.00	2.68	2942.81
10	24.58	0.00	0.00	0.00	3.48	2963.91
11	36.95	0.00	0.00	0.00	3.52	2997.34
12	45.74	0.00	0.00	0.00	3.56	3039.52
13	30.10	0.00	0.00	0.00	3.60	3066.02
14	1.50	0.00	0.00	0.00	0.70	3066.82
15	3.64	0.00	0.00	0.00	0.71	3069.75
16	1.34	0.00	0.00	0.00	0.60	3070.49
17	0.00	0.00	0.00	0.00	3.64	3066.85
18	0.00	0.00	0.00	0.00	0.98	3065.87
19	18.74	0.00	0.00	0.00	2.56	3082.05
20	46.72	0.00	0.00	0.00	6.99	3121.78
21	38.01	0.00	0.00	0.00	2.62	3157.17
22	35.40	0.00	0.00	0.00	2.79	3189.78
23	48.81	0.00	0.00	0.00	5.26	3233.33
24	69.99	0.00	0.00	0.00	4.82	3298.50
25	49.93	0.00	0.00	0.00	1.73	3346.70
26	76.97	0.00	0.00	0.00	4.62	3419.05
27	87.31	0.00	0.00	0.00	5.39	3500.97
28	106.36	0.00	0.00	0.00	4.14	3603.19
29	113.62	0.00	0.00	0.00	4.19	3712.62
30	89.45	0.00	0.00	0.00	4.39	3797.68
31	75.80	0.00	0.00	0.00	5.54	3867.94
	1102.01	0.00	0.00	0.00	100.34	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						622.14
1	0.00	0.00	0.00	0.00	0.91	621.23
2	0.00	0.00	0.00	0.00	0.91	620.32
3	0.00	0.00	0.00	0.00	0.23	620.09
4	0.00	0.00	0.00	0.00	0.14	619.95
5	0.00	0.00	0.00	0.00	0.77	619.18
6	0.00	0.00	0.00	0.00	0.61	618.57
7	0.00	0.00	0.00	0.00	0.56	618.01
8	0.00	0.00	0.00	0.00	0.56	617.45
9	0.00	0.00	0.00	0.00	0.56	616.89
10	0.00	0.00	0.00	0.00	0.73	616.16
11	0.00	0.00	0.00	0.00	0.73	615.43
12	0.00	0.00	0.00	0.00	0.73	614.70
13	0.00	0.00	0.00	0.00	0.73	613.97
14	0.00	0.00	0.00	0.00	0.14	613.83
15	0.00	0.00	0.00	0.00	0.14	613.69
16	0.00	0.00	0.00	0.00	0.12	613.57
17	0.00	0.00	0.00	0.00	0.73	612.84
18	0.00	0.00	0.00	0.00	0.20	612.64
19	0.00	0.00	0.00	0.00	0.51	612.13
20	0.00	0.00	0.00	0.00	1.39	610.74
21	0.00	0.00	0.00	0.00	0.51	610.23
22	0.00	0.00	0.00	0.00	0.54	609.69
23	0.00	0.00	0.00	0.00	1.01	608.68
24	0.00	0.00	0.00	0.00	0.91	607.77
25	0.00	0.00	0.00	0.00	0.32	607.45
26	0.00	0.00	0.00	0.00	0.84	606.61
27	0.00	0.00	0.00	0.00	0.96	605.65
28	0.00	0.00	0.00	0.00	0.72	604.93
29	0.00	0.00	0.00	0.00	0.70	604.23
30	0.00	0.00	0.00	0.00	0.71	603.52
31	0.00	0.00	0.00	0.00	0.88	602.64
	0.00	0.00	0.00	0.00	19.50	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						99.68
1	0.00	0.00	0.00	0.00	0.15	99.53
2	0.00	0.00	0.00	0.00	0.15	99.38
3	0.00	0.00	0.00	0.00	0.04	99.34
4	0.00	0.00	0.00	0.00	0.02	99.32
5	0.00	0.00	0.00	0.00	0.13	99.19
6	0.00	0.00	0.00	0.00	0.10	99.09
7	0.00	0.00	0.00	0.00	0.09	99.00
8	0.00	0.00	0.00	0.00	0.09	98.91
9	0.00	0.00	0.00	0.00	0.09	98.82
10	0.00	0.00	0.00	0.00	0.12	98.70
11	0.00	0.00	0.00	0.00	0.12	98.58
12	0.00	0.00	0.00	0.00	0.12	98.46
13	0.00	0.00	0.00	0.00	0.12	98.34
14	0.00	0.00	0.00	0.00	0.02	98.32
15	0.00	0.00	0.00	0.00	0.02	98.30
16	0.00	0.00	0.00	0.00	0.02	98.28
17	0.00	0.00	0.00	0.00	0.12	98.16
18	0.00	0.00	0.00	0.00	0.03	98.13
19	0.00	0.00	0.00	0.00	0.08	98.05
20	0.00	0.00	0.00	0.00	0.22	97.83
21	0.00	0.00	0.00	0.00	0.08	97.75
22	0.00	0.00	0.00	0.00	0.08	97.67
23	0.00	0.00	0.00	0.00	0.16	97.51
24	0.00	0.00	0.00	0.00	0.15	97.36
25	0.00	0.00	0.00	0.00	0.05	97.31
26	0.00	0.00	0.00	0.00	0.14	97.17
27	0.00	0.00	0.00	0.00	0.16	97.01
28	0.00	0.00	0.00	0.00	0.12	96.89
29	0.00	0.00	0.00	0.00	0.12	96.77
30	0.00	0.00	0.00	0.00	0.12	96.65
31	0.00	0.00	0.00	0.00	0.14	96.51
	0.00	0.00	0.00	0.00	3.17	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.21
1	0.00	0.00	0.00	0.00	0.01	5.20
2	0.00	0.00	0.00	0.00	0.01	5.19
3	0.00	0.00	0.00	0.00	0.00	5.19
4	0.00	0.00	0.00	0.00	0.00	5.19
5	0.00	0.00	0.00	0.00	0.01	5.18
6	0.00	0.00	0.00	0.00	0.01	5.17
7	0.00	0.00	0.00	0.00	0.00	5.17
8	0.00	0.00	0.00	0.00	0.00	5.17
9	0.00	0.00	0.00	0.00	0.00	5.17
10	0.00	0.00	0.00	0.00	0.01	5.16
11	0.00	0.00	0.00	0.00	0.01	5.15
12	0.00	0.00	0.00	0.00	0.01	5.14
13	0.00	0.00	0.00	0.00	0.01	5.13
14	0.00	0.00	0.00	0.00	0.00	5.13
15	0.00	0.00	0.00	0.00	0.00	5.13
16	0.00	0.00	0.00	0.00	0.00	5.13
17	0.00	0.00	0.00	0.00	0.01	5.12
18	0.00	0.00	0.00	0.00	0.00	5.12
19	0.00	0.00	0.00	0.00	0.00	5.12
20	0.00	0.00	0.00	0.00	0.01	5.11
21	0.00	0.00	0.00	0.00	0.00	5.11
22	0.00	0.00	0.00	0.00	0.00	5.11
23	0.00	0.00	0.00	0.00	0.01	5.10
24	0.00	0.00	0.00	0.00	0.01	5.09
25	0.00	0.00	0.00	0.00	0.00	5.09
26	0.00	0.00	0.00	0.00	0.01	5.08
27	0.00	0.00	0.00	0.00	0.01	5.07
28	0.00	0.00	0.00	0.00	0.01	5.06
29	0.00	0.00	0.00	0.00	0.01	5.05
30	0.00	0.00	0.00	0.00	0.01	5.04
31	0.00	0.00	0.00	0.00	0.01	5.03
	0.00	0.00	0.00	0.00	0.18	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						581.34
1	0.00	0.00	0.00	0.00	0.85	580.49
2	0.00	0.00	0.00	0.00	0.85	579.64
3	0.00	0.00	0.00	0.00	0.22	579.42
4	0.00	0.00	0.00	0.00	0.13	579.29
5	0.00	0.00	0.00	0.00	0.72	578.57
6	0.00	0.00	0.00	0.00	0.57	578.00
7	0.00	0.00	0.00	0.00	0.52	577.48
8	0.00	0.00	0.00	0.00	0.52	576.96
9	0.00	0.00	0.00	0.00	0.53	576.43
10	0.00	0.00	0.00	0.00	0.68	575.75
11	0.00	0.00	0.00	0.00	0.68	575.07
12	0.00	0.00	0.00	0.00	0.68	574.39
13	0.00	0.00	0.00	0.00	0.68	573.71
14	0.00	0.00	0.00	0.00	0.13	573.58
15	0.00	0.00	0.00	0.00	0.13	573.45
16	0.00	0.00	0.00	0.00	0.11	573.34
17	0.00	0.00	0.00	0.00	0.68	572.66
18	0.00	0.00	0.00	0.00	0.18	572.48
19	0.00	0.00	0.00	0.00	0.48	572.00
20	0.00	0.00	0.00	0.00	1.30	570.70
21	0.00	0.00	0.00	0.00	0.48	570.22
22	0.00	0.00	0.00	0.00	0.50	569.72
23	0.00	0.00	0.00	0.00	0.94	568.78
24	0.00	0.00	0.00	0.00	0.85	567.93
25	0.00	0.00	0.00	0.00	0.30	567.63
26	0.00	0.00	0.00	0.00	0.78	566.85
27	0.00	0.00	0.00	0.00	0.89	565.96
28	0.00	0.00	0.00	0.00	0.67	565.29
29	0.00	0.00	0.00	0.00	0.66	564.63
30	0.00	0.00	0.00	0.00	0.67	563.96
31	0.00	0.00	0.00	0.00	0.82	563.14
	0.00	0.00	0.00	0.00	18.20	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						94.47
1	0.00	0.00	0.00	0.00	0.14	94.33
2	0.00	0.00	0.00	0.00	0.14	94.19
3	0.00	0.00	0.00	0.00	0.04	94.15
4	0.00	0.00	0.00	0.00	0.02	94.13
5	0.00	0.00	0.00	0.00	0.12	94.01
6	0.00	0.00	0.00	0.00	0.09	93.92
7	0.00	0.00	0.00	0.00	0.09	93.83
8	0.00	0.00	0.00	0.00	0.09	93.74
9	0.00	0.00	0.00	0.00	0.09	93.65
10	0.00	0.00	0.00	0.00	0.11	93.54
11	0.00	0.00	0.00	0.00	0.11	93.43
12	0.00	0.00	0.00	0.00	0.11	93.32
13	0.00	0.00	0.00	0.00	0.11	93.21
14	0.00	0.00	0.00	0.00	0.02	93.19
15	0.00	0.00	0.00	0.00	0.02	93.17
16	0.00	0.00	0.00	0.00	0.02	93.15
17	0.00	0.00	0.00	0.00	0.11	93.04
18	0.00	0.00	0.00	0.00	0.03	93.01
19	0.00	0.00	0.00	0.00	0.08	92.93
20	0.00	0.00	0.00	0.00	0.21	92.72
21	0.00	0.00	0.00	0.00	0.08	92.64
22	0.00	0.00	0.00	0.00	0.08	92.56
23	0.00	0.00	0.00	0.00	0.15	92.41
24	0.00	0.00	0.00	0.00	0.14	92.27
25	0.00	0.00	0.00	0.00	0.05	92.22
26	0.00	0.00	0.00	0.00	0.13	92.09
27	0.00	0.00	0.00	0.00	0.15	91.94
28	0.00	0.00	0.00	0.00	0.11	91.83
29	0.00	0.00	0.00	0.00	0.11	91.72
30	0.00	0.00	0.00	0.00	0.11	91.61
31	0.00	0.00	0.00	0.00	0.13	91.48
	0.00	0.00	0.00	0.00	2.99	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						311.81
1	0.00	0.00	0.00	0.00	0.46	311.35
2	0.00	0.00	0.00	0.00	0.45	310.90
3	0.00	0.00	0.00	0.00	0.12	310.78
4	0.00	0.00	0.00	0.00	0.07	310.71
5	0.00	0.00	0.00	0.00	0.38	310.33
6	0.00	0.00	0.00	0.00	0.30	310.03
7	0.00	0.00	0.00	0.00	0.28	309.75
8	0.00	0.00	0.00	0.00	0.28	309.47
9	0.00	0.00	0.00	0.00	0.28	309.19
10	0.00	0.00	0.00	0.00	0.37	308.82
11	0.00	0.00	0.00	0.00	0.37	308.45
12	0.00	0.00	0.00	0.00	0.37	308.08
13	0.00	0.00	0.00	0.00	0.36	307.72
14	0.00	0.00	0.00	0.00	0.07	307.65
15	0.00	0.00	0.00	0.00	0.07	307.58
16	0.00	0.00	0.00	0.00	0.06	307.52
17	0.00	0.00	0.00	0.00	0.36	307.16
18	0.00	0.00	0.00	0.00	0.10	307.06
19	0.00	0.00	0.00	0.00	0.26	306.80
20	0.00	0.00	0.00	0.00	0.70	306.10
21	0.00	0.00	0.00	0.00	0.26	305.84
22	0.00	0.00	0.00	0.00	0.27	305.57
23	0.00	0.00	0.00	0.00	0.50	305.07
24	0.00	0.00	0.00	0.00	0.45	304.62
25	0.00	0.00	0.00	0.00	0.16	304.46
26	0.00	0.00	0.00	0.00	0.42	304.04
27	0.00	0.00	0.00	0.00	0.48	303.56
28	0.00	0.00	0.00	0.00	0.36	303.20
29	0.00	0.00	0.00	0.00	0.35	302.85
30	0.00	0.00	0.00	0.00	0.36	302.49
31	0.00	0.00	0.00	0.00	0.44	302.05
	0.00	0.00	0.00	0.00	9.76	

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 – Main Office

Aug 12, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of June 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 30 days in June 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 654.76 acre-feet of Fort Lyon Canal shares, 1,075.71 acre-feet of Highland Canal and 186.98 acre-feet of Keesee Ditch Shares to the shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in May 2021 totaled 1,917.45 acre-feet.

LAWMA transferred 283.25 acre-feet into the Return Flow Subaccount and 26.27 acre-feet into the Return Flow Transit Loss subaccount from their X-Y Article II on June 27, 2021. This transfer was to replace in-state well depletion obligations below John Martin Reservoir accrued after rebalancing accounting after running the 2020 H-I Model.

On June 28, 2021, LAWMA transferred 1741.04 acre-feet into the Colorado Downstream Consumable Subaccount, 442.21 acre-feet into the Return Flow Subaccount, and 40.85 acre-feet into the Return Flow Transit Loss Subaccount. This water was transferred from LAWMA's Keesee, X-Y, Sisson and Stubbs Article II accounts to deliver the agreed upon targeted delivery amount pursuant to the Highland Permanent Pool agreement. This transfer totaled 2734.30 acre-feet.

On June 29, 2021, LAWMA transferred 76.61 acre-feet into the Colorado Downstream Consumable Water Subaccount, 43.40 acre-feet into the Return Flow subaccount, and 4.03 acre-feet into the Return Flow Transit Loss subaccount. This transfer was done to make up the shortfall that resulted from the final evaluation of the 10-year rolling average after the H-I Model Run for 2020 was complete. This transfer included the shortfall, transit loss and evaporation charges as determined pursuant to Appendix A.1.

The amount transferred into the Offset Account in June 2021 totaled 2657.66 acre-feet.

On June 18, 2021, Kansas started a release of 250 cfs at 3:00 PM that continued until Tuesday, June 22, 2021 at 11:00 AM. At that time, the release increased to 315 cfs. This release rate continued until June 30, 2021 at 8:00 AM. At that time, the release decreased to 290 cfs to account for a decrease in the transit loss charge. This release continued into July 2021. Kansas released 587.39 acre-feet from the Kansas Charge subaccount, 857.97 acre-feet from the Return Flow subaccount, 75.89 acre-feet from the Return Flow Transit Loss Subaccount and 5683.41 acre-feet from the Consumable Downstream subaccount. The releases for the month of June 2021 totaled 7204.66 acre-feet.

As of June 30, 2021, a total of 2581.94 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of June 2021 is attached in Enclosure 1.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

Ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
June 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1136.83	506.52
2	BOOTH ORCHARD	16.17	8.09
3	EXCELSIOR	104.87	52.45
4	COLLIER	0	0
5	COLORADO	44.2	25.1
6	ROCKY FORD HIGHLINE	359.94	242.26
7	OXFORD	93.12	44.73
8	OTERO	28.41	10.23
9	CATLIN	621.72	363.58
10	FORT LYON US	814.66	380.85
11	ROCKY FORD	30.34	15.18
12	HOLBROOK	295.97	192.07
13	LAS ANIMAS CONSOLIDATED	42.72	17.95
14	BALDWIN-STUBBS	111.66	67.31
15	FORT BENT	71.16	35.98
17	AMITY	582.39	333
18	LAMAR/MANVEL	116.69	63.87
19	HYDE	22.03	16.52
20	FORT LYON DS	307.56	198.49
21	XY GRAHAM	288.31	197.45
22	BUFFALO	84.19	30.3
24	STATELINE SOLE SOURCE	1786.42	1334.87
601	LAWMA A.P.D.	2.62	0.94
602	LAWMA A.P.D.	5.37	4.03
	Totals	6967.35	4141.77

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
June 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	36.08	0.00	323.38	63.87	16.52	180.35	197.45	30.30	0.00	1334.87	2182.82

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
June 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	225.45	704.09	17.51	947.05	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	184.64	576.65	14.34	775.63	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0	0.00	0.00	0.00	0.00						0.00
Fort Lyon Aug Station/Recharge	0	0	0.00	0.00	0.00	0.00						0.00
CO Beef - Lamar Center Farm	0	0				0.00						0.00
Lamar Center Farm	0	0				0.00	0.00					0.00
Lamar Granada East/West										88.00		88.00
Ft Bent Ditch Shares	0	0				0.00						0.00
Stubbs Direct Flow	0	0								0		0.00
XY Direct Flow	0	0					0.00	171.58				171.58
Manvel Direct Flow	0	0					0.00					0.00
Offset Account Release Credit	-3414.91	-4085.12									18.37	18.37
Offset Account Transit Loss	0	0	0.00			137.50			361.70			499.20
Offset Account Water	0	0	0									0.00
Total Replacements	0	0.00	0.00	0.00	137.50	0.00	171.58	361.70	88.00	18.37	777.15	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The state line balance increased by 4,641.46 acre-feet based on preliminary Offset Release delivery calculations.

Enclosure 1

John Martin Offset Accounting for June 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5424.62
1	21.50	0.00	0.00	0.00	7.78	5438.34
2	130.27	0.00	0.00	0.00	5.58	5563.03
3	148.11	0.00	0.00	0.00	5.46	5705.68
4	145.38	0.00	0.00	0.00	8.05	5843.01
5	140.53	0.00	0.00	0.00	8.19	5975.35
6	142.85	0.00	0.00	0.00	8.39	6109.81
7	94.99	0.00	0.00	0.00	8.57	6196.23
8	89.50	0.00	0.00	0.00	8.67	6277.06
9	78.89	0.00	0.00	0.00	5.84	6350.11
10	70.62	0.00	0.00	0.00	10.93	6409.80
11	71.42	0.00	0.00	0.00	8.53	6472.69
12	71.75	0.00	0.00	0.00	8.64	6535.80
13	54.28	0.00	0.00	0.00	8.75	6581.33
14	42.19	0.00	0.00	0.00	10.51	6613.01
15	40.03	0.00	0.00	0.00	10.34	6642.70
16	33.89	0.00	0.00	0.00	10.63	6665.96
17	31.39	0.00	0.00	0.00	9.44	6687.91
18	38.22	0.00	0.00	185.96	9.46	6530.71
19	57.93	0.00	0.00	495.88	9.25	6083.51
20	49.20	0.00	0.00	495.88	8.65	5628.18
21	48.17	0.00	0.00	495.88	5.98	5174.49
22	49.48	0.00	0.00	565.71	7.43	4650.83
23	49.86	0.00	0.00	624.80	7.24	4068.65
24	37.58	0.00	0.00	624.80	8.05	3473.38
25	34.75	0.00	0.00	624.80	3.67	2879.66
26	38.80	0.00	0.00	624.80	3.07	2290.59
27	26.66	309.52	0.00	624.80	2.55	1999.42
28	26.49	2224.10	0.00	624.80	1.93	3623.28
29	26.74	124.04	0.00	624.80	0.56	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	2657.66	0.00	7204.66	213.13	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						865.19
1	0.00	0.00	0.00	0.00	1.24	863.95
2	0.00	0.00	0.00	0.00	0.89	863.06
3	0.00	0.00	0.00	0.00	0.85	862.21
4	0.00	0.00	0.00	0.00	1.21	861.00
5	0.00	0.00	0.00	0.00	1.20	859.80
6	0.00	0.00	0.00	0.00	1.20	858.60
7	0.00	0.00	0.00	0.00	1.20	857.40
8	0.00	0.00	0.00	0.00	1.20	856.20
9	0.00	0.00	0.00	0.00	0.80	855.40
10	0.00	0.00	0.00	0.00	1.47	853.93
11	0.00	0.00	0.00	0.00	1.14	852.79
12	0.00	0.00	0.00	0.00	1.14	851.65
13	0.00	0.00	0.00	0.00	1.14	850.51
14	0.00	0.00	0.00	0.00	1.35	849.16
15	0.00	0.00	0.00	0.00	1.32	847.84
16	0.00	0.00	0.00	0.00	1.35	846.49
17	0.00	0.00	0.00	0.00	1.20	845.29
18	0.00	0.00	0.00	0.00	1.20	844.09
19	0.00	0.00	0.00	0.00	1.20	842.89
20	0.00	0.00	0.00	0.00	1.20	841.69
21	0.00	0.00	0.00	0.00	0.89	840.80
22	0.00	0.00	0.00	0.00	1.20	839.60
23	0.00	0.00	0.00	0.00	1.31	838.29
24	0.00	0.00	0.00	0.00	1.66	836.63
25	0.00	0.00	0.00	0.00	0.88	835.75
26	0.00	0.00	0.00	0.00	0.89	834.86
27	0.00	0.00	0.00	0.00	0.92	833.94
28	0.00	0.00	0.00	0.00	0.80	833.14
29	0.00	0.00	0.00	0.00	0.13	833.01
30	0.00	0.00	0.00	0.00	0.26	832.75
	0.00	0.00	0.00	0.00	32.44	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5328.11
1	21.50	0.00	0.00	0.00	7.64	5341.97
2	130.27	0.00	0.00	0.00	5.48	5466.76
3	148.11	0.00	0.00	0.00	5.37	5609.50
4	145.38	0.00	0.00	0.00	7.91	5746.97
5	140.53	0.00	0.00	0.00	8.05	5879.45
6	142.85	0.00	0.00	0.00	8.25	6014.05
7	94.99	0.00	0.00	0.00	8.43	6100.61
8	89.50	0.00	0.00	0.00	8.53	6181.58
9	78.89	0.00	0.00	0.00	5.76	6254.71
10	70.62	0.00	0.00	0.00	10.76	6314.57
11	71.42	0.00	0.00	0.00	8.40	6377.59
12	71.75	0.00	0.00	0.00	8.51	6440.83
13	54.28	0.00	0.00	0.00	8.62	6486.49
14	42.19	0.00	0.00	0.00	10.36	6518.32
15	40.03	0.00	0.00	0.00	10.19	6548.16
16	33.89	0.00	0.00	0.00	10.48	6571.57
17	31.39	0.00	0.00	0.00	9.30	6593.66
18	38.22	0.00	0.00	185.96	9.32	6436.60
19	57.93	0.00	0.00	406.77	9.11	6078.65
20	49.20	0.00	0.00	495.88	8.64	5623.33
21	48.17	0.00	0.00	495.88	5.97	5169.65
22	49.48	0.00	0.00	565.71	7.42	4646.00
23	49.86	0.00	0.00	624.80	7.23	4063.83
24	37.58	0.00	0.00	624.80	8.04	3468.57
25	34.75	0.00	0.00	624.80	3.66	2874.86
26	38.80	0.00	0.00	624.80	3.06	2285.80
27	26.66	0.00	0.00	341.55	2.54	1968.37
28	26.49	1741.04	0.00	182.59	1.90	3551.41
29	26.74	76.61	0.00	505.51	0.55	3148.70
30	25.98	0.00	0.00	591.75	0.99	2581.94
	1917.45	1817.65	0.00	6270.80	210.47	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3867.94
1	21.50	0.00	0.00	0.00	5.54	3883.90
2	130.27	0.00	0.00	0.00	3.97	4010.20
3	148.11	0.00	0.00	0.00	3.93	4154.38
4	145.38	0.00	0.00	0.00	5.85	4293.91
5	140.53	0.00	0.00	0.00	6.01	4428.43
6	142.85	0.00	0.00	0.00	6.21	4565.07
7	94.99	0.00	0.00	0.00	6.39	4653.67
8	89.50	0.00	0.00	0.00	6.50	4736.67
9	78.89	0.00	0.00	0.00	4.41	4811.15
10	70.62	0.00	0.00	0.00	8.27	4873.50
11	71.42	0.00	0.00	0.00	6.47	4938.45
12	71.75	0.00	0.00	0.00	6.58	5003.62
13	54.28	0.00	0.00	0.00	6.69	5051.21
14	42.19	0.00	0.00	0.00	8.06	5085.34
15	40.03	0.00	0.00	0.00	7.95	5117.42
16	33.89	0.00	0.00	0.00	8.19	5143.12
17	31.39	0.00	0.00	0.00	7.27	5167.24
18	38.22	0.00	0.00	0.00	7.29	5198.17
19	57.93	0.00	0.00	5.34	7.34	5243.42
20	49.20	0.00	0.00	495.88	7.44	4789.30
21	48.17	0.00	0.00	495.88	5.08	4336.51
22	49.48	0.00	0.00	565.71	6.22	3814.06
23	49.86	0.00	0.00	624.80	5.92	3233.20
24	37.58	0.00	0.00	624.80	6.38	2639.60
25	34.75	0.00	0.00	624.80	2.78	2046.77
26	38.80	0.00	0.00	624.80	2.17	1458.60
27	26.66	0.00	0.00	341.55	1.62	1142.09
28	26.49	1741.04	0.00	182.59	1.10	2725.93
29	26.74	76.61	0.00	505.51	0.42	2323.35
30	25.98	0.00	0.00	591.75	0.73	1756.85
	1917.45	1817.65	0.00	5683.41	162.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						602.64
1	0.00	0.00	0.00	0.00	0.86	601.78
2	0.00	0.00	0.00	0.00	0.62	601.16
3	0.00	0.00	0.00	0.00	0.59	600.57
4	0.00	0.00	0.00	0.00	0.85	599.72
5	0.00	0.00	0.00	0.00	0.84	598.88
6	0.00	0.00	0.00	0.00	0.84	598.04
7	0.00	0.00	0.00	0.00	0.84	597.20
8	0.00	0.00	0.00	0.00	0.83	596.37
9	0.00	0.00	0.00	0.00	0.55	595.82
10	0.00	0.00	0.00	0.00	1.02	594.80
11	0.00	0.00	0.00	0.00	0.79	594.01
12	0.00	0.00	0.00	0.00	0.79	593.22
13	0.00	0.00	0.00	0.00	0.79	592.43
14	0.00	0.00	0.00	0.00	0.95	591.48
15	0.00	0.00	0.00	0.00	0.92	590.56
16	0.00	0.00	0.00	0.00	0.94	589.62
17	0.00	0.00	0.00	0.00	0.83	588.79
18	0.00	0.00	0.00	185.96	0.83	402.00
19	0.00	0.00	0.00	401.43	0.57	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	587.39	15.25	

OffsetAccount-ReturnFlow
Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						96.51
1	0.00	0.00	0.00	0.00	0.14	96.37
2	0.00	0.00	0.00	0.00	0.10	96.27
3	0.00	0.00	0.00	0.00	0.09	96.18
4	0.00	0.00	0.00	0.00	0.14	96.04
5	0.00	0.00	0.00	0.00	0.14	95.90
6	0.00	0.00	0.00	0.00	0.14	95.76
7	0.00	0.00	0.00	0.00	0.14	95.62
8	0.00	0.00	0.00	0.00	0.14	95.48
9	0.00	0.00	0.00	0.00	0.08	95.40
10	0.00	0.00	0.00	0.00	0.17	95.23
11	0.00	0.00	0.00	0.00	0.13	95.10
12	0.00	0.00	0.00	0.00	0.13	94.97
13	0.00	0.00	0.00	0.00	0.13	94.84
14	0.00	0.00	0.00	0.00	0.15	94.69
15	0.00	0.00	0.00	0.00	0.15	94.54
16	0.00	0.00	0.00	0.00	0.15	94.39
17	0.00	0.00	0.00	0.00	0.14	94.25
18	0.00	0.00	0.00	0.00	0.14	94.11
19	0.00	0.00	0.00	89.11	0.14	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	309.52	0.00	283.25	0.01	31.05
28	0.00	483.06	0.00	442.21	0.03	71.87
29	0.00	47.43	0.00	119.29	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	840.01	0.00	933.86	2.66	

OffsetAccount-ReturnFlow
RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5.03
1	0.00	0.00	0.00	0.00	0.01	5.02
2	0.00	0.00	0.00	0.00	0.01	5.01
3	0.00	0.00	0.00	0.00	0.00	5.01
4	0.00	0.00	0.00	0.00	0.01	5.00
5	0.00	0.00	0.00	0.00	0.01	4.99
6	0.00	0.00	0.00	0.00	0.01	4.98
7	0.00	0.00	0.00	0.00	0.01	4.97
8	0.00	0.00	0.00	0.00	0.01	4.96
9	0.00	0.00	0.00	0.00	0.00	4.96
10	0.00	0.00	0.00	0.00	0.01	4.95
11	0.00	0.00	0.00	0.00	0.01	4.94
12	0.00	0.00	0.00	0.00	0.01	4.93
13	0.00	0.00	0.00	0.00	0.01	4.92
14	0.00	0.00	0.00	0.00	0.01	4.91
15	0.00	0.00	0.00	0.00	0.01	4.90
16	0.00	0.00	0.00	0.00	0.01	4.89
17	0.00	0.00	0.00	0.00	0.01	4.88
18	0.00	0.00	0.00	0.00	0.01	4.87
19	0.00	0.00	0.00	0.00	0.01	4.86
20	0.00	0.00	0.00	0.00	0.01	4.85
21	0.00	0.00	0.00	0.00	0.01	4.84
22	0.00	0.00	0.00	0.00	0.01	4.83
23	0.00	0.00	0.00	0.00	0.01	4.82
24	0.00	0.00	0.00	0.00	0.01	4.81
25	0.00	0.00	0.00	0.00	0.01	4.80
26	0.00	0.00	0.00	0.00	0.01	4.79
27	0.00	26.27	0.00	0.00	0.01	31.05
28	0.00	40.85	0.00	0.00	0.03	71.87
29	0.00	4.03	0.00	75.89	0.01	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	71.15	0.00	75.89	0.29	

OffsetAccount-Consumable
Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						563.14
1	0.00	0.00	0.00	0.00	0.81	562.33
2	0.00	0.00	0.00	0.00	0.58	561.75
3	0.00	0.00	0.00	0.00	0.55	561.20
4	0.00	0.00	0.00	0.00	0.79	560.41
5	0.00	0.00	0.00	0.00	0.78	559.63
6	0.00	0.00	0.00	0.00	0.78	558.85
7	0.00	0.00	0.00	0.00	0.78	558.07
8	0.00	0.00	0.00	0.00	0.78	557.29
9	0.00	0.00	0.00	0.00	0.52	556.77
10	0.00	0.00	0.00	0.00	0.96	555.81
11	0.00	0.00	0.00	0.00	0.74	555.07
12	0.00	0.00	0.00	0.00	0.74	554.33
13	0.00	0.00	0.00	0.00	0.74	553.59
14	0.00	0.00	0.00	0.00	0.88	552.71
15	0.00	0.00	0.00	0.00	0.86	551.85
16	0.00	0.00	0.00	0.00	0.88	550.97
17	0.00	0.00	0.00	0.00	0.78	550.19
18	0.00	0.00	0.00	0.00	0.78	549.41
19	0.00	0.00	0.00	0.00	0.78	548.63
20	0.00	0.00	0.00	0.00	0.78	547.85
21	0.00	0.00	0.00	0.00	0.58	547.27
22	0.00	0.00	0.00	0.00	0.78	546.49
23	0.00	0.00	0.00	0.00	0.85	545.64
24	0.00	0.00	0.00	0.00	1.08	544.56
25	0.00	0.00	0.00	0.00	0.57	543.99
26	0.00	0.00	0.00	0.00	0.58	543.41
27	0.00	0.00	0.00	0.00	0.60	542.81
28	0.00	0.00	0.00	0.00	0.52	542.29
29	0.00	0.00	0.00	0.00	0.08	542.21
30	0.00	0.00	0.00	0.00	0.17	542.04
	0.00	0.00	0.00	0.00	21.10	

OffsetAccount-ReturnFlow
Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						91.48
1	0.00	0.00	0.00	0.00	0.13	91.35
2	0.00	0.00	0.00	0.00	0.09	91.26
3	0.00	0.00	0.00	0.00	0.09	91.17
4	0.00	0.00	0.00	0.00	0.13	91.04
5	0.00	0.00	0.00	0.00	0.13	90.91
6	0.00	0.00	0.00	0.00	0.13	90.78
7	0.00	0.00	0.00	0.00	0.13	90.65
8	0.00	0.00	0.00	0.00	0.13	90.52
9	0.00	0.00	0.00	0.00	0.08	90.44
10	0.00	0.00	0.00	0.00	0.16	90.28
11	0.00	0.00	0.00	0.00	0.12	90.16
12	0.00	0.00	0.00	0.00	0.12	90.04
13	0.00	0.00	0.00	0.00	0.12	89.92
14	0.00	0.00	0.00	0.00	0.14	89.78
15	0.00	0.00	0.00	0.00	0.14	89.64
16	0.00	0.00	0.00	0.00	0.14	89.50
17	0.00	0.00	0.00	0.00	0.13	89.37
18	0.00	0.00	0.00	0.00	0.13	89.24
19	0.00	0.00	0.00	89.11	0.13	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	283.25	0.00	283.25	0.00	0.00
28	0.00	442.21	0.00	442.21	0.00	0.00
29	0.00	43.40	0.00	43.40	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	768.86	0.00	857.97	2.37	

OffsetAccount-Consumable
Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						302.05
1	0.00	0.00	0.00	0.00	0.43	301.62
2	0.00	0.00	0.00	0.00	0.31	301.31
3	0.00	0.00	0.00	0.00	0.30	301.01
4	0.00	0.00	0.00	0.00	0.42	300.59
5	0.00	0.00	0.00	0.00	0.42	300.17
6	0.00	0.00	0.00	0.00	0.42	299.75
7	0.00	0.00	0.00	0.00	0.42	299.33
8	0.00	0.00	0.00	0.00	0.42	298.91
9	0.00	0.00	0.00	0.00	0.28	298.63
10	0.00	0.00	0.00	0.00	0.51	298.12
11	0.00	0.00	0.00	0.00	0.40	297.72
12	0.00	0.00	0.00	0.00	0.40	297.32
13	0.00	0.00	0.00	0.00	0.40	296.92
14	0.00	0.00	0.00	0.00	0.47	296.45
15	0.00	0.00	0.00	0.00	0.46	295.99
16	0.00	0.00	0.00	0.00	0.47	295.52
17	0.00	0.00	0.00	0.00	0.42	295.10
18	0.00	0.00	0.00	0.00	0.42	294.68
19	0.00	0.00	0.00	0.00	0.42	294.26
20	0.00	0.00	0.00	0.00	0.42	293.84
21	0.00	0.00	0.00	0.00	0.31	293.53
22	0.00	0.00	0.00	0.00	0.42	293.11
23	0.00	0.00	0.00	0.00	0.46	292.65
24	0.00	0.00	0.00	0.00	0.58	292.07
25	0.00	0.00	0.00	0.00	0.31	291.76
26	0.00	0.00	0.00	0.00	0.31	291.45
27	0.00	0.00	0.00	0.00	0.32	291.13
28	0.00	0.00	0.00	0.00	0.28	290.85
29	0.00	0.00	0.00	0.00	0.05	290.80
30	0.00	0.00	0.00	0.00	0.09	290.71
	0.00	0.00	0.00	0.00	11.34	

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

September 13, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of July 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days in July 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 248.37 acre-feet of Fort Lyon Canal shares, 479.24 acre-feet of Highland Canal shares and 290.9 acre-feet of Keesee Ditch Shares to the shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in July 2021 totaled 1,018.91 acre-feet.

On June 18, 2021, Kansas started a release that continued into July 2021. Kansas released 2,772.98 acre-feet from the Consumable Downstream subaccount. The releases for the month of July 2021 totaled 2,772.98 acre-feet.

As of July 31, 2021, a total of 782.80 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of July 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
July 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1197.77	534.38
2	BOOTH ORCHARD	19.7	9.86
3	EXCELSIOR	143.99	72.01
4	COLLIER	0.01	0
5	COLORADO	202.3	127.67
6	ROCKY FORD HIGHLINE	925.55	608.07
7	OXFORD	290.12	113.96
8	OTERO	48.18	17.34
9	CATLIN	1087.93	601.23
10	FORT LYON US	1505.01	653.92
11	ROCKY FORD	37.02	18.52
12	HOLBROOK	482.36	283.89
13	LAS ANIMAS CONSOLIDATED	133.04	57.93
14	BALDWIN-STUBBS	246.26	149.36
15	FORT BENT	182.14	104.63
17	AMITY	582.01	312.93
18	LAMAR/MANVEL	159.04	80.53
19	HYDE	64.17	48.13
20	FORT LYON DS	610.12	360.51
21	XY GRAHAM	411.84	276.09
22	BUFFALO	8.33	3
24	STATELINE SOLE SOURCE	1227.1	912.88
601	LAWMA A.P.D.	21.43	7.71
602	LAWMA A.P.D.	26.2	19.65
	Totals	9611.62	5374.2

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
July 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	104.74	0.00	311.49	80.53	48.13	314.67	276.09	3.00	0.00	912.88	2051.53

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
July 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	237.51	837.44	16.27	1091.22	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	194.52	685.86	13.33	893.71	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0.00				507.42	377.29					884.71	0.00
Lamar Granada East/West	0.00								0.00		0.00	170.12
Ft Bent Ditch Shares	0.00				0.00						0.00	0
Stubbs Direct Flow	0.00								0		0.00	0.00
XY Direct Flow	0.00					255.68					255.68	242.73
Manvel Direct Flow	0.00					0					0.00	0.00
Offset Account Release Credit	-40.92										0.00	2429.10
Offset Account Transit Loss	0	0.00			0.00			311.00			311.00	311.00
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	507.42	632.97	0.00	311.00	0.00	0.00	1451.39	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The state line balance received 2083.61 acre-feet of credit from Offset Consumable Delivery #1 and 386.41 acre-feet of credit from Offset Consumable Delivery #2.

Enclosure 1

John Martin Offset Accounting for July 2021

Lower Arkansas Water Management Association (LAWMA) delivered 248.37 acre-feet of Fort Lyon Canal shares, 479.24 acre-feet of Highland Canal shares and 290.9 acre-feet of Keesee Ditch Shares to the shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in July 2021 totaled 1,018.91 acre-feet.

On June 18, 2021, Kansas started a release that continued into July 2021. Kansas released 2,772.98 acre-feet from the Consumable Downstream subaccount. The releases for the month of July 2021 totaled 2,772.98 acre-feet.

As of July 31, 2021, a total of 782.80 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of July 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
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TABLE 1
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6	ROCKY FORD HIGHLINE	925.55	608.07
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8	OTERO	48.18	17.34
9	CATLIN	1087.93	601.23
10	FORT LYON US	1505.01	653.92
11	ROCKY FORD	37.02	18.52
12	HOLBROOK	482.36	283.89
13	LAS ANIMAS CONSOLIDATED	133.04	57.93
14	BALDWIN-STUBBS	246.26	149.36
15	FORT BENT	182.14	104.63
17	AMITY	582.01	312.93
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19	HYDE	64.17	48.13
20	FORT LYON DS	610.12	360.51
21	XY GRAHAM	411.84	276.09
22	BUFFALO	8.33	3
24	STATELINE SOLE SOURCE	1227.1	912.88
601	LAWMA A.P.D.	21.43	7.71
602	LAWMA A.P.D.	26.2	19.65
	Totals	9611.62	5374.2

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
July 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	104.74	0.00	311.49	80.53	48.13	314.67	276.09	3.00	0.00	912.88	2051.53

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
July 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	237.51	837.44	16.27	1091.22	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	194.52	685.86	13.33	893.71	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0.00				507.42	377.29					884.71	0.00
Lamar Granada East/West	0.00								0.00		0.00	170.12
Ft Bent Ditch Shares	0.00				0.00						0.00	0
Stubbs Direct Flow	0.00								0		0.00	0.00
XY Direct Flow	0.00					255.68					255.68	242.73
Manvel Direct Flow	0.00					0					0.00	0.00
Offset Account Release Credit	-40.92										0.00	2429.10
Offset Account Transit Loss	0	0.00			0.00			311.00			311.00	311.00
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	507.42	632.97	0.00	311.00	0.00	0.00	1451.39	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The state line balance received 2083.61 acre-feet of credit from Offset Consumable Delivery #1 and 386.41 acre-feet of credit from Offset Consumable Delivery #2.

Enclosure 1

John Martin Offset Accounting for July 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.90	0.00	0.00	51.90	1.95	798.49
23	27.54	0.00	0.00	27.54	1.28	797.21
24	15.92	0.00	0.00	15.92	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.77	786.11
30	27.49	0.00	0.00	27.49	1.64	784.47
31	9.93	0.00	0.00	9.93	1.67	782.80
	1018.91	0.00	0.00	2772.98	45.07	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						832.75
1	0.00	0.00	0.00	0.00	1.02	831.73
2	0.00	0.00	0.00	0.00	0.23	831.50
3	0.00	0.00	0.00	0.00	0.23	831.27
4	0.00	0.00	0.00	0.00	0.23	831.04
5	0.00	0.00	0.00	0.00	0.20	830.84
6	0.00	0.00	0.00	0.00	0.71	830.13
7	0.00	0.00	0.00	0.00	0.44	829.69
8	0.00	0.00	0.00	0.00	2.23	827.46
9	0.00	0.00	0.00	0.00	1.47	825.99
10	0.00	0.00	0.00	0.00	1.49	824.50
11	0.00	0.00	0.00	0.00	1.53	822.97
12	0.00	0.00	0.00	0.00	0.98	821.99
13	0.00	0.00	0.00	0.00	1.77	820.22
14	0.00	0.00	0.00	0.00	1.42	818.80
15	0.00	0.00	0.00	0.00	0.89	817.91
16	0.00	0.00	0.00	0.00	1.52	816.39
17	0.00	0.00	0.00	0.00	1.54	814.85
18	0.00	0.00	0.00	0.00	1.63	813.22
19	0.00	0.00	0.00	0.00	1.31	811.91
20	0.00	0.00	0.00	0.00	1.89	810.02
21	0.00	0.00	0.00	0.00	1.92	808.10
22	0.00	0.00	0.00	0.00	1.95	806.15
23	0.00	0.00	0.00	0.00	1.28	804.87
24	0.00	0.00	0.00	0.00	1.34	803.53
25	0.00	0.00	0.00	0.00	1.30	802.23
26	0.00	0.00	0.00	0.00	1.04	801.19
27	0.00	0.00	0.00	0.00	2.53	798.66
28	0.00	0.00	0.00	0.00	2.12	796.54
29	0.00	0.00	0.00	0.00	2.77	793.77
30	0.00	0.00	0.00	0.00	1.64	792.13
31	0.00	0.00	0.00	0.00	1.67	790.46
	0.00	0.00	0.00	0.00	42.29	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2581.94
1	35.31	0.00	0.00	575.22	3.17	2038.86
2	46.89	0.00	0.00	575.22	0.57	1509.96
3	52.43	0.00	0.00	575.22	0.42	986.75
4	66.20	0.00	0.00	229.29	0.28	823.38
5	39.94	0.00	0.00	39.94	0.20	823.18
6	16.83	0.00	0.00	16.83	0.71	822.47
7	15.53	0.00	0.00	15.53	0.44	822.03
8	25.75	0.00	0.00	0.00	2.23	845.55
9	47.35	0.00	0.00	73.05	1.52	818.33
10	66.18	0.00	0.00	66.18	1.49	816.84
11	49.26	0.00	0.00	49.26	1.53	815.31
12	33.71	0.00	0.00	33.71	0.98	814.33
13	32.99	0.00	0.00	32.99	1.77	812.56
14	31.48	0.00	0.00	31.48	1.42	811.14
15	29.90	0.00	0.00	29.90	0.89	810.25
16	30.28	0.00	0.00	30.28	1.52	808.73
17	22.39	0.00	0.00	22.39	1.54	807.19
18	30.38	0.00	0.00	30.38	1.63	805.56
19	38.18	0.00	0.00	38.18	1.31	804.25
20	51.11	0.00	0.00	51.11	1.89	802.36
21	46.30	0.00	0.00	46.30	1.92	800.44
22	51.90	0.00	0.00	51.90	1.95	798.49
23	27.54	0.00	0.00	27.54	1.28	797.21
24	15.92	0.00	0.00	15.92	1.34	795.87
25	9.91	0.00	0.00	9.91	1.30	794.57
26	9.91	0.00	0.00	9.91	1.04	793.53
27	12.85	0.00	0.00	12.85	2.53	791.00
28	12.06	0.00	0.00	12.06	2.12	788.88
29	33.01	0.00	0.00	33.01	2.77	786.11
30	27.49	0.00	0.00	27.49	1.64	784.47
31	9.93	0.00	0.00	9.93	1.67	782.80
	1018.91	0.00	0.00	2772.98	45.07	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1756.85
1	35.31	0.00	0.00	575.22	2.15	1214.79
2	46.89	0.00	0.00	575.22	0.34	686.12
3	52.43	0.00	0.00	575.22	0.19	163.14
4	66.20	0.00	0.00	229.29	0.05	0.00
5	39.94	0.00	0.00	39.94	0.00	0.00
6	16.83	0.00	0.00	16.83	0.00	0.00
7	15.53	0.00	0.00	15.53	0.00	0.00
8	25.75	0.00	0.00	0.00	0.00	25.75
9	47.35	0.00	0.00	73.05	0.05	0.00
10	66.18	0.00	0.00	66.18	0.00	0.00
11	49.26	0.00	0.00	49.26	0.00	0.00
12	33.71	0.00	0.00	33.71	0.00	0.00
13	32.99	0.00	0.00	32.99	0.00	0.00
14	31.48	0.00	0.00	31.48	0.00	0.00
15	29.90	0.00	0.00	29.90	0.00	0.00
16	30.28	0.00	0.00	30.28	0.00	0.00
17	22.39	0.00	0.00	22.39	0.00	0.00
18	30.38	0.00	0.00	30.38	0.00	0.00
19	38.18	0.00	0.00	38.18	0.00	0.00
20	51.11	0.00	0.00	51.11	0.00	0.00
21	46.30	0.00	0.00	46.30	0.00	0.00
22	51.90	0.00	0.00	51.90	0.00	0.00
23	27.54	0.00	0.00	27.54	0.00	0.00
24	15.92	0.00	0.00	15.92	0.00	0.00
25	9.91	0.00	0.00	9.91	0.00	0.00
26	9.91	0.00	0.00	9.91	0.00	0.00
27	12.85	0.00	0.00	12.85	0.00	0.00
28	12.06	0.00	0.00	12.06	0.00	0.00
29	33.01	0.00	0.00	33.01	0.00	0.00
30	27.49	0.00	0.00	27.49	0.00	0.00
31	9.93	0.00	0.00	9.93	0.00	0.00
	1018.91	0.00	0.00	2772.98	2.78	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						542.04
1	0.00	0.00	0.00	0.00	0.66	541.38
2	0.00	0.00	0.00	0.00	0.15	541.23
3	0.00	0.00	0.00	0.00	0.15	541.08
4	0.00	0.00	0.00	0.00	0.15	540.93
5	0.00	0.00	0.00	0.00	0.13	540.80
6	0.00	0.00	0.00	0.00	0.46	540.34
7	0.00	0.00	0.00	0.00	0.29	540.05
8	0.00	0.00	0.00	0.00	1.45	538.60
9	0.00	0.00	0.00	0.00	0.96	537.64
10	0.00	0.00	0.00	0.00	0.97	536.67
11	0.00	0.00	0.00	0.00	1.00	535.67
12	0.00	0.00	0.00	0.00	0.64	535.03
13	0.00	0.00	0.00	0.00	1.15	533.88
14	0.00	0.00	0.00	0.00	0.92	532.96
15	0.00	0.00	0.00	0.00	0.58	532.38
16	0.00	0.00	0.00	0.00	0.99	531.39
17	0.00	0.00	0.00	0.00	1.00	530.39
18	0.00	0.00	0.00	0.00	1.06	529.33
19	0.00	0.00	0.00	0.00	0.85	528.48
20	0.00	0.00	0.00	0.00	1.23	527.25
21	0.00	0.00	0.00	0.00	1.25	526.00
22	0.00	0.00	0.00	0.00	1.27	524.73
23	0.00	0.00	0.00	0.00	0.83	523.90
24	0.00	0.00	0.00	0.00	0.87	523.03
25	0.00	0.00	0.00	0.00	0.85	522.18
26	0.00	0.00	0.00	0.00	0.68	521.50
27	0.00	0.00	0.00	0.00	1.65	519.85
28	0.00	0.00	0.00	0.00	1.38	518.47
29	0.00	0.00	0.00	0.00	1.80	516.67
30	0.00	0.00	0.00	0.00	1.07	515.60
31	0.00	0.00	0.00	0.00	1.09	514.51
	0.00	0.00	0.00	0.00	27.53	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						290.71
1	0.00	0.00	0.00	0.00	0.36	290.35
2	0.00	0.00	0.00	0.00	0.08	290.27
3	0.00	0.00	0.00	0.00	0.08	290.19
4	0.00	0.00	0.00	0.00	0.08	290.11
5	0.00	0.00	0.00	0.00	0.07	290.04
6	0.00	0.00	0.00	0.00	0.25	289.79
7	0.00	0.00	0.00	0.00	0.15	289.64
8	0.00	0.00	0.00	0.00	0.78	288.86
9	0.00	0.00	0.00	0.00	0.51	288.35
10	0.00	0.00	0.00	0.00	0.52	287.83
11	0.00	0.00	0.00	0.00	0.53	287.30
12	0.00	0.00	0.00	0.00	0.34	286.96
13	0.00	0.00	0.00	0.00	0.62	286.34
14	0.00	0.00	0.00	0.00	0.50	285.84
15	0.00	0.00	0.00	0.00	0.31	285.53
16	0.00	0.00	0.00	0.00	0.53	285.00
17	0.00	0.00	0.00	0.00	0.54	284.46
18	0.00	0.00	0.00	0.00	0.57	283.89
19	0.00	0.00	0.00	0.00	0.46	283.43
20	0.00	0.00	0.00	0.00	0.66	282.77
21	0.00	0.00	0.00	0.00	0.67	282.10
22	0.00	0.00	0.00	0.00	0.68	281.42
23	0.00	0.00	0.00	0.00	0.45	280.97
24	0.00	0.00	0.00	0.00	0.47	280.50
25	0.00	0.00	0.00	0.00	0.45	280.05
26	0.00	0.00	0.00	0.00	0.36	279.69
27	0.00	0.00	0.00	0.00	0.88	278.81
28	0.00	0.00	0.00	0.00	0.74	278.07
29	0.00	0.00	0.00	0.00	0.97	277.10
30	0.00	0.00	0.00	0.00	0.57	276.53
31	0.00	0.00	0.00	0.00	0.58	275.95
	0.00	0.00	0.00	0.00	14.76	

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

October 11, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of August 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days in August 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 347.50 acre-feet of Fort Lyon Canal shares, 583.27 acre-feet of Highland Canal shares and 258.76 acre-feet of Keesee Ditch Shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in August 2021 totaled 1,189.53 acre-feet.

On July 9, 2021, Kansas started a release that continued into August 2021. Kansas released 361.57 acre-feet from the Consumable Downstream subaccount. The releases for the month of August 2021 totaled 361.57 acre-feet.

As of August 31, 2021, a total of 1,514.62 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of August 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
August 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1,521	692.96
2	BOOTH ORCHARD	1.03	0.52
3	EXCELSIOR	92.61	46.32
4	COLLIER	8.09	2.92
5	COLORADO	267.24	165.46
6	ROCKY FORD HIGHLINE	936.29	616.1
7	OXFORD	294.76	116.59
8	OTERO	61.45	22.12
9	CATLIN	1,306.2	675.22
10	FORT LYON US	1,364.67	644.49
11	ROCKY FORD	37.35	18.69
12	HOLBROOK	354.58	205.48
13	LAS ANIMAS CONSOLIDATED	114.44	46.96
14	BALDWIN-STUBBS	367.95	230.6
15	FORT BENT	115.2	47.21
17	AMITY	705.94	412.43
18	LAMAR/MANVEL	127.45	79.96
19	HYDE	72.24	48.5
20	FORT LYON DS	905.06	551.98
21	XY GRAHAM	503.65	320.39
22	BUFFALO	0.18	0.07
24	STATELINE SOLE SOURCE	1,894.59	1,413.29
601	LAWMA A.P.D.	35.09	12.63
602	LAWMA A.P.D.	12.4	9.3
	Totals	11,099.46	6,380.19

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
August 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	47.31	0.00	425.69	79.96	48.50	495.91	320.39	0.07	0.00	1413.29	2831.12

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
August 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	254.70	927.05	17.52	1199.27	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	208.60	759.25	14.35	982.20	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0.00	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0
Lamar Center Farm	1.26				10.24	226.89					237.13	0
Lamar Granada East/West	170.12								170.12		170.12	64.00
Ft Bent Ditch Shares	0.00				0.00						0.00	0
Stubbs Direct Flow	0.00								0		0.00	0.00
XY Direct Flow	0.00					0.00	315.98				315.98	0.00
Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit	2429.10										0.00	2410.48
Offset Account Transit Loss	311.00	0.00			0.00			34.90			34.90	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	10.24	226.89	315.98	34.90	170.12	0.00	758.13	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: The state line balance received 107.72 acre-feet of credit from Offset Consumable Delivery #2. The SWSP and Decreed Augmentation Plan depletions were brought to zero using 126.34 acre-feet of Stateline Offset Credit.

Enclosure 1

John Martin Offset Accounting for August 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.80
1	35.11	0.00	0.00	35.11	1.71	781.09
2	63.96	0.00	0.00	63.96	2.84	778.25
3	42.27	0.00	0.00	42.27	0.86	777.39
4	32.52	0.00	0.00	32.52	1.06	776.33
5	52.92	0.00	0.00	52.92	1.01	775.32
6	78.25	0.00	0.00	78.25	2.10	773.22
7	63.11	0.00	0.00	56.54	2.20	777.59
8	43.36	0.00	0.00	0.00	2.26	818.69
9	36.92	0.00	0.00	0.00	3.04	852.57
10	52.23	0.00	0.00	0.00	2.39	902.41
11	57.93	0.00	0.00	0.00	2.43	957.91
12	44.88	0.00	0.00	0.00	2.74	1000.05
13	46.69	0.00	0.00	0.00	2.60	1044.14
14	53.71	0.00	0.00	0.00	2.71	1095.14
15	42.09	0.00	0.00	0.00	2.90	1134.33
16	37.32	0.00	0.00	0.00	2.70	1168.95
17	36.70	0.00	0.00	0.00	1.16	1204.49
18	36.40	0.00	0.00	0.00	4.49	1236.40
19	36.61	0.00	0.00	0.00	3.97	1269.04
20	36.84	0.00	0.00	0.00	3.75	1302.13
21	36.82	0.00	0.00	0.00	3.86	1335.09
22	34.40	0.00	0.00	0.00	3.86	1365.63
23	42.09	0.00	0.00	0.00	4.43	1403.29
24	25.67	0.00	0.00	0.00	4.83	1424.13
25	21.08	0.00	0.00	0.00	3.67	1441.54
26	26.74	0.00	0.00	0.00	5.21	1463.07
27	20.86	0.00	0.00	0.00	3.92	1480.01
28	19.94	0.00	0.00	0.00	3.97	1495.98
29	13.37	0.00	0.00	0.00	4.15	1505.20
30	9.37	0.00	0.00	0.00	4.32	1510.25
31	9.37	0.00	0.00	0.00	5.00	1514.62
	1189.53	0.00	0.00	361.57	96.14	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						790.46
1	0.00	0.00	0.00	0.00	1.71	788.75
2	0.00	0.00	0.00	0.00	2.84	785.91
3	0.00	0.00	0.00	0.00	0.86	785.05
4	0.00	0.00	0.00	0.00	1.06	783.99
5	0.00	0.00	0.00	0.00	1.01	782.98
6	0.00	0.00	0.00	0.00	2.10	780.88
7	0.00	0.00	0.00	0.00	2.20	778.68
8	0.00	0.00	0.00	0.00	2.24	776.44
9	0.00	0.00	0.00	0.00	2.86	773.58
10	0.00	0.00	0.00	0.00	2.15	771.43
11	0.00	0.00	0.00	0.00	2.06	769.37
12	0.00	0.00	0.00	0.00	2.18	767.19
13	0.00	0.00	0.00	0.00	1.98	765.21
14	0.00	0.00	0.00	0.00	1.97	763.24
15	0.00	0.00	0.00	0.00	2.01	761.23
16	0.00	0.00	0.00	0.00	1.80	759.43
17	0.00	0.00	0.00	0.00	0.75	758.68
18	0.00	0.00	0.00	0.00	2.81	755.87
19	0.00	0.00	0.00	0.00	2.41	753.46
20	0.00	0.00	0.00	0.00	2.21	751.25
21	0.00	0.00	0.00	0.00	2.21	749.04
22	0.00	0.00	0.00	0.00	2.15	746.89
23	0.00	0.00	0.00	0.00	2.41	744.48
24	0.00	0.00	0.00	0.00	2.55	741.93
25	0.00	0.00	0.00	0.00	1.90	740.03
26	0.00	0.00	0.00	0.00	2.66	737.37
27	0.00	0.00	0.00	0.00	1.97	735.40
28	0.00	0.00	0.00	0.00	1.96	733.44
29	0.00	0.00	0.00	0.00	2.03	731.41
30	0.00	0.00	0.00	0.00	2.09	729.32
31	0.00	0.00	0.00	0.00	2.40	726.92
	0.00	0.00	0.00	0.00	63.54	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						782.80
1	35.11	0.00	0.00	35.11	1.71	781.09
2	63.96	0.00	0.00	63.96	2.84	778.25
3	42.27	0.00	0.00	42.27	0.86	777.39
4	32.52	0.00	0.00	32.52	1.06	776.33
5	52.92	0.00	0.00	52.92	1.01	775.32
6	78.25	0.00	0.00	78.25	2.10	773.22
7	63.11	0.00	0.00	56.54	2.20	777.59
8	43.36	0.00	0.00	0.00	2.26	818.69
9	36.92	0.00	0.00	0.00	3.04	852.57
10	52.23	0.00	0.00	0.00	2.39	902.41
11	57.93	0.00	0.00	0.00	2.43	957.91
12	44.88	0.00	0.00	0.00	2.74	1000.05
13	46.69	0.00	0.00	0.00	2.60	1044.14
14	53.71	0.00	0.00	0.00	2.71	1095.14
15	42.09	0.00	0.00	0.00	2.90	1134.33
16	37.32	0.00	0.00	0.00	2.70	1168.95
17	36.70	0.00	0.00	0.00	1.16	1204.49
18	36.40	0.00	0.00	0.00	4.49	1236.40
19	36.61	0.00	0.00	0.00	3.97	1269.04
20	36.84	0.00	0.00	0.00	3.75	1302.13
21	36.82	0.00	0.00	0.00	3.86	1335.09
22	34.40	0.00	0.00	0.00	3.86	1365.63
23	42.09	0.00	0.00	0.00	4.43	1403.29
24	25.67	0.00	0.00	0.00	4.83	1424.13
25	21.08	0.00	0.00	0.00	3.67	1441.54
26	26.74	0.00	0.00	0.00	5.21	1463.07
27	20.86	0.00	0.00	0.00	3.92	1480.01
28	19.94	0.00	0.00	0.00	3.97	1495.98
29	13.37	0.00	0.00	0.00	4.15	1505.20
30	9.37	0.00	0.00	0.00	4.32	1510.25
31	9.37	0.00	0.00	0.00	5.00	1514.62
	1189.53	0.00	0.00	361.57	96.14	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	35.11	0.00	0.00	35.11	0.00	0.00
2	63.96	0.00	0.00	63.96	0.00	0.00
3	42.27	0.00	0.00	42.27	0.00	0.00
4	32.52	0.00	0.00	32.52	0.00	0.00
5	52.92	0.00	0.00	52.92	0.00	0.00
6	78.25	0.00	0.00	78.25	0.00	0.00
7	63.11	0.00	0.00	56.54	0.00	6.57
8	43.36	0.00	0.00	0.00	0.02	49.91
9	36.92	0.00	0.00	0.00	0.18	86.65
10	52.23	0.00	0.00	0.00	0.24	138.64
11	57.93	0.00	0.00	0.00	0.37	196.20
12	44.88	0.00	0.00	0.00	0.56	240.52
13	46.69	0.00	0.00	0.00	0.62	286.59
14	53.71	0.00	0.00	0.00	0.74	339.56
15	42.09	0.00	0.00	0.00	0.89	380.76
16	37.32	0.00	0.00	0.00	0.90	417.18
17	36.70	0.00	0.00	0.00	0.41	453.47
18	36.40	0.00	0.00	0.00	1.68	488.19
19	36.61	0.00	0.00	0.00	1.56	523.24
20	36.84	0.00	0.00	0.00	1.54	558.54
21	36.82	0.00	0.00	0.00	1.65	593.71
22	34.40	0.00	0.00	0.00	1.71	626.40
23	42.09	0.00	0.00	0.00	2.02	666.47
24	25.67	0.00	0.00	0.00	2.28	689.86
25	21.08	0.00	0.00	0.00	1.77	709.17
26	26.74	0.00	0.00	0.00	2.55	733.36
27	20.86	0.00	0.00	0.00	1.95	752.27
28	19.94	0.00	0.00	0.00	2.01	770.20
29	13.37	0.00	0.00	0.00	2.12	781.45
30	9.37	0.00	0.00	0.00	2.23	788.59
31	9.37	0.00	0.00	0.00	2.60	795.36
	1189.53	0.00	0.00	361.57	32.60	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						514.51
1	0.00	0.00	0.00	0.00	1.11	513.40
2	0.00	0.00	0.00	0.00	1.85	511.55
3	0.00	0.00	0.00	0.00	0.56	510.99
4	0.00	0.00	0.00	0.00	0.69	510.30
5	0.00	0.00	0.00	0.00	0.66	509.64
6	0.00	0.00	0.00	0.00	1.37	508.27
7	0.00	0.00	0.00	0.00	1.43	506.84
8	0.00	0.00	0.00	0.00	1.46	505.38
9	0.00	0.00	0.00	0.00	1.86	503.52
10	0.00	0.00	0.00	0.00	1.40	502.12
11	0.00	0.00	0.00	0.00	1.34	500.78
12	0.00	0.00	0.00	0.00	1.42	499.36
13	0.00	0.00	0.00	0.00	1.29	498.07
14	0.00	0.00	0.00	0.00	1.28	496.79
15	0.00	0.00	0.00	0.00	1.31	495.48
16	0.00	0.00	0.00	0.00	1.17	494.31
17	0.00	0.00	0.00	0.00	0.49	493.82
18	0.00	0.00	0.00	0.00	1.83	491.99
19	0.00	0.00	0.00	0.00	1.57	490.42
20	0.00	0.00	0.00	0.00	1.44	488.98
21	0.00	0.00	0.00	0.00	1.44	487.54
22	0.00	0.00	0.00	0.00	1.40	486.14
23	0.00	0.00	0.00	0.00	1.57	484.57
24	0.00	0.00	0.00	0.00	1.66	482.91
25	0.00	0.00	0.00	0.00	1.24	481.67
26	0.00	0.00	0.00	0.00	1.73	479.94
27	0.00	0.00	0.00	0.00	1.28	478.66
28	0.00	0.00	0.00	0.00	1.28	477.38
29	0.00	0.00	0.00	0.00	1.32	476.06
30	0.00	0.00	0.00	0.00	1.36	474.70
31	0.00	0.00	0.00	0.00	1.56	473.14
	0.00	0.00	0.00	0.00	41.37	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						275.95
1	0.00	0.00	0.00	0.00	0.60	275.35
2	0.00	0.00	0.00	0.00	0.99	274.36
3	0.00	0.00	0.00	0.00	0.30	274.06
4	0.00	0.00	0.00	0.00	0.37	273.69
5	0.00	0.00	0.00	0.00	0.35	273.34
6	0.00	0.00	0.00	0.00	0.73	272.61
7	0.00	0.00	0.00	0.00	0.77	271.84
8	0.00	0.00	0.00	0.00	0.78	271.06
9	0.00	0.00	0.00	0.00	1.00	270.06
10	0.00	0.00	0.00	0.00	0.75	269.31
11	0.00	0.00	0.00	0.00	0.72	268.59
12	0.00	0.00	0.00	0.00	0.76	267.83
13	0.00	0.00	0.00	0.00	0.69	267.14
14	0.00	0.00	0.00	0.00	0.69	266.45
15	0.00	0.00	0.00	0.00	0.70	265.75
16	0.00	0.00	0.00	0.00	0.63	265.12
17	0.00	0.00	0.00	0.00	0.26	264.86
18	0.00	0.00	0.00	0.00	0.98	263.88
19	0.00	0.00	0.00	0.00	0.84	263.04
20	0.00	0.00	0.00	0.00	0.77	262.27
21	0.00	0.00	0.00	0.00	0.77	261.50
22	0.00	0.00	0.00	0.00	0.75	260.75
23	0.00	0.00	0.00	0.00	0.84	259.91
24	0.00	0.00	0.00	0.00	0.89	259.02
25	0.00	0.00	0.00	0.00	0.66	258.36
26	0.00	0.00	0.00	0.00	0.93	257.43
27	0.00	0.00	0.00	0.00	0.69	256.74
28	0.00	0.00	0.00	0.00	0.68	256.06
29	0.00	0.00	0.00	0.00	0.71	255.35
30	0.00	0.00	0.00	0.00	0.73	254.62
31	0.00	0.00	0.00	0.00	0.84	253.78
	0.00	0.00	0.00	0.00	22.17	

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

November 4, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of September 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 30 days in September 2021.
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.

Lower Arkansas Water Management Association (LAWMA) delivered 211.89 acre-feet of Highland Canal shares and 234.85 acre-feet of Keesee Ditch Shares to the Consumable Downstream Subaccount. In addition, LAWMA started a release from John Martin for the purpose of replacing in-state well depletion obligations. As part of the release, LAWMA transferred 18.39 acre-feet into the Return Flow Transit Loss Subaccount and 198.28 acre-feet into the Return Flow Subaccount from their X-Y Article II Account. The amount delivered and transferred into the Offset Account in September 2021 totaled 663.41 acre-feet.

As of September 30, 2021, a total of 2061.37 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of September 2021 is attached in Enclosure 1.

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

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
September 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	619.8	270.96
2	BOOTH ORCHARD	14.18	7.19
3	EXCELSIOR	17.12	8.57
4	COLLIER	60.02	21.61
5	COLORADO	363.12	220.2
6	ROCKY FORD HIGHLINE	570.45	444.73
7	OXFORD	463.1	313.61
8	OTERO	44.98	16.19
9	CATLIN	1,416.64	690.31
10	FORT LYON US	931.28	369.35
11	ROCKY FORD	12.03	6.03
12	HOLBROOK	545.45	298.83
13	LAS ANIMAS CONSOLIDATED	76.44	30.22
14	BALDWIN-STUBBS	261.1	144.39
15	FORT BENT	65.84	26.78
17	AMITY	538.52	308.53
18	LAMAR/MANVEL	112.04	67.78
19	HYDE	54.35	36.36
20	FORT LYON DS	613.63	346.94
21	XY GRAHAM	243.28	161.73
22	BUFFALO	4.62	1.66
24	STATELINE SOLE SOURCE	2,134.41	1,599.34
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	9.74	7.31
	Totals	9,172.14	5,398.62

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
September 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	26.92	0.00	332.56	67.78	36.36	315.58	161.73	1.66	0.00	1599.34	2541.93

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
September 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	253.57	1088.25	18.47	1360.29	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	207.67	891.28	15.13	1114.08	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0.00
Lamar Center Farm	0				0.00	0.00					0.00	0
Lamar Granada East/West	64.00								63.71		63.71	0.00
Ft Bent Ditch Shares	0				0.00						0.00	0
Stubbs Direct Flow	0.00								0		0.00	0
XY Direct Flow	0.00					0.00	37.01				37.01	0
Manvel Direct Flow	0.00					0					0.00	0
Offset Account Release Credit	2536.82									687.80	687.80	1849.01
Offset Account Transit Loss	0	0.00			0.00			0.00			0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	37.01	0.00	63.71	687.80	788.52	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0		

Enclosure 1

John Martin Offset Accounting for September 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1514.62
1	8.71	0.00	0.00	0.00	5.72	1517.61
2	8.71	0.00	0.00	0.00	4.01	1522.31
3	8.71	0.00	0.00	0.00	3.16	1527.86
4	9.84	0.00	0.00	0.00	3.18	1534.52
5	11.92	0.00	0.00	0.00	3.22	1543.22
6	12.09	0.00	0.00	0.00	3.24	1552.07
7	9.57	0.00	0.00	0.00	5.31	1556.33
8	9.01	0.00	0.00	0.00	3.07	1562.27
9	8.92	0.00	0.00	0.00	3.53	1567.66
10	8.83	0.00	0.00	0.00	1.84	1574.65
11	8.82	0.00	0.00	0.00	1.85	1581.62
12	8.81	0.00	0.00	0.00	1.86	1588.57
13	8.76	0.00	0.00	0.00	3.15	1594.18
14	8.74	0.00	0.00	0.00	4.22	1598.70
15	14.19	0.00	0.00	0.00	4.00	1608.89
16	8.84	0.00	0.00	0.00	4.41	1613.32
17	39.32	0.00	0.00	0.00	4.55	1648.09
18	38.80	0.00	0.00	0.00	4.66	1682.23
19	38.43	0.00	0.00	0.00	4.75	1715.91
20	37.66	0.00	0.00	0.00	3.82	1749.75
21	31.33	0.00	0.00	0.00	3.53	1777.55
22	21.50	0.00	0.00	0.00	3.29	1795.76
23	19.15	0.00	0.00	0.00	3.99	1810.92
24	17.34	0.00	0.00	0.00	4.56	1823.70
25	15.85	0.00	0.00	0.00	4.59	1834.96
26	15.98	0.00	0.00	0.00	4.63	1846.31
27	12.23	216.67	0.00	0.00	5.34	2069.87
28	2.26	0.00	0.00	0.00	6.33	2065.80
29	1.32	0.00	0.00	0.00	4.20	2062.92
30	1.10	0.00	0.00	0.00	2.65	2061.37
	446.74	216.67	0.00	0.00	116.66	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						726.92
1	0.00	0.00	0.00	0.00	2.73	724.19
2	0.00	0.00	0.00	0.00	1.90	722.29
3	0.00	0.00	0.00	0.00	1.49	720.80
4	0.00	0.00	0.00	0.00	1.49	719.31
5	0.00	0.00	0.00	0.00	1.50	717.81
6	0.00	0.00	0.00	0.00	1.50	716.31
7	0.00	0.00	0.00	0.00	2.44	713.87
8	0.00	0.00	0.00	0.00	1.40	712.47
9	0.00	0.00	0.00	0.00	1.60	710.87
10	0.00	0.00	0.00	0.00	0.83	710.04
11	0.00	0.00	0.00	0.00	0.83	709.21
12	0.00	0.00	0.00	0.00	0.83	708.38
13	0.00	0.00	0.00	0.00	1.40	706.98
14	0.00	0.00	0.00	0.00	1.86	705.12
15	0.00	0.00	0.00	0.00	1.75	703.37
16	0.00	0.00	0.00	0.00	1.92	701.45
17	0.00	0.00	0.00	0.00	1.97	699.48
18	0.00	0.00	0.00	0.00	1.97	697.51
19	0.00	0.00	0.00	0.00	1.96	695.55
20	0.00	0.00	0.00	0.00	1.54	694.01
21	0.00	0.00	0.00	0.00	1.40	692.61
22	0.00	0.00	0.00	0.00	1.28	691.33
23	0.00	0.00	0.00	0.00	1.53	689.80
24	0.00	0.00	0.00	0.00	1.73	688.07
25	0.00	0.00	0.00	0.00	1.72	686.35
26	0.00	0.00	0.00	0.00	1.72	684.63
27	0.00	0.00	0.00	0.00	1.97	682.66
28	0.00	0.00	0.00	0.00	2.08	680.58
29	0.00	0.00	0.00	0.00	1.38	679.20
30	0.00	0.00	0.00	0.00	0.87	678.33
	0.00	0.00	0.00	0.00	48.59	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1514.62
1	8.71	0.00	0.00	0.00	5.72	1517.61
2	8.71	0.00	0.00	0.00	4.01	1522.31
3	8.71	0.00	0.00	0.00	3.16	1527.86
4	9.84	0.00	0.00	0.00	3.18	1534.52
5	11.92	0.00	0.00	0.00	3.22	1543.22
6	12.09	0.00	0.00	0.00	3.24	1552.07
7	9.57	0.00	0.00	0.00	5.31	1556.33
8	9.01	0.00	0.00	0.00	3.07	1562.27
9	8.92	0.00	0.00	0.00	3.53	1567.66
10	8.83	0.00	0.00	0.00	1.84	1574.65
11	8.82	0.00	0.00	0.00	1.85	1581.62
12	8.81	0.00	0.00	0.00	1.86	1588.57
13	8.76	0.00	0.00	0.00	3.15	1594.18
14	8.74	0.00	0.00	0.00	4.22	1598.70
15	14.19	0.00	0.00	0.00	4.00	1608.89
16	8.84	0.00	0.00	0.00	4.41	1613.32
17	39.32	0.00	0.00	0.00	4.55	1648.09
18	38.80	0.00	0.00	0.00	4.66	1682.23
19	38.43	0.00	0.00	0.00	4.75	1715.91
20	37.66	0.00	0.00	0.00	3.82	1749.75
21	31.33	0.00	0.00	0.00	3.53	1777.55
22	21.50	0.00	0.00	0.00	3.29	1795.76
23	19.15	0.00	0.00	0.00	3.99	1810.92
24	17.34	0.00	0.00	0.00	4.56	1823.70
25	15.85	0.00	0.00	0.00	4.59	1834.96
26	15.98	0.00	0.00	0.00	4.63	1846.31
27	12.23	0.00	0.00	0.00	5.34	1853.20
28	2.26	0.00	0.00	0.00	5.67	1849.79
29	1.32	0.00	0.00	0.00	3.76	1847.35
30	1.10	0.00	0.00	0.00	2.38	1846.07
	446.74	0.00	0.00	0.00	115.29	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						795.36
1	8.71	0.00	0.00	0.00	2.99	801.08
2	8.71	0.00	0.00	0.00	2.11	807.68
3	8.71	0.00	0.00	0.00	1.67	814.72
4	9.84	0.00	0.00	0.00	1.69	822.87
5	11.92	0.00	0.00	0.00	1.72	833.07
6	12.09	0.00	0.00	0.00	1.74	843.42
7	9.57	0.00	0.00	0.00	2.87	850.12
8	9.01	0.00	0.00	0.00	1.67	857.46
9	8.92	0.00	0.00	0.00	1.93	864.45
10	8.83	0.00	0.00	0.00	1.01	872.27
11	8.82	0.00	0.00	0.00	1.02	880.07
12	8.81	0.00	0.00	0.00	1.03	887.85
13	8.76	0.00	0.00	0.00	1.75	894.86
14	8.74	0.00	0.00	0.00	2.36	901.24
15	14.19	0.00	0.00	0.00	2.25	913.18
16	8.84	0.00	0.00	0.00	2.49	919.53
17	39.32	0.00	0.00	0.00	2.58	956.27
18	38.80	0.00	0.00	0.00	2.69	992.38
19	38.43	0.00	0.00	0.00	2.79	1028.02
20	37.66	0.00	0.00	0.00	2.28	1063.40
21	31.33	0.00	0.00	0.00	2.13	1092.60
22	21.50	0.00	0.00	0.00	2.01	1112.09
23	19.15	0.00	0.00	0.00	2.46	1128.78
24	17.34	0.00	0.00	0.00	2.83	1143.29
25	15.85	0.00	0.00	0.00	2.87	1156.27
26	15.98	0.00	0.00	0.00	2.91	1169.34
27	12.23	0.00	0.00	0.00	3.37	1178.20
28	2.26	0.00	0.00	0.00	3.59	1176.87
29	1.32	0.00	0.00	0.00	2.38	1175.81
30	1.10	0.00	0.00	0.00	1.51	1175.40
	446.74	0.00	0.00	0.00	66.70	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	216.67	0.00	0.00	0.00	216.67
28	0.00	0.00	0.00	0.00	0.66	216.01
29	0.00	0.00	0.00	0.00	0.44	215.57
30	0.00	0.00	0.00	0.00	0.27	215.30
	0.00	216.67	0.00	0.00	1.37	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	18.39	0.00	0.00	0.00	18.39
28	0.00	0.00	0.00	0.00	0.06	18.33
29	0.00	0.00	0.00	0.00	0.04	18.29
30	0.00	0.00	0.00	0.00	0.02	18.27
	0.00	18.39	0.00	0.00	0.12	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						473.14
1	0.00	0.00	0.00	0.00	1.78	471.36
2	0.00	0.00	0.00	0.00	1.24	470.12
3	0.00	0.00	0.00	0.00	0.97	469.15
4	0.00	0.00	0.00	0.00	0.97	468.18
5	0.00	0.00	0.00	0.00	0.98	467.20
6	0.00	0.00	0.00	0.00	0.98	466.22
7	0.00	0.00	0.00	0.00	1.59	464.63
8	0.00	0.00	0.00	0.00	0.91	463.72
9	0.00	0.00	0.00	0.00	1.04	462.68
10	0.00	0.00	0.00	0.00	0.54	462.14
11	0.00	0.00	0.00	0.00	0.54	461.60
12	0.00	0.00	0.00	0.00	0.54	461.06
13	0.00	0.00	0.00	0.00	0.91	460.15
14	0.00	0.00	0.00	0.00	1.21	458.94
15	0.00	0.00	0.00	0.00	1.14	457.80
16	0.00	0.00	0.00	0.00	1.25	456.55
17	0.00	0.00	0.00	0.00	1.28	455.27
18	0.00	0.00	0.00	0.00	1.28	453.99
19	0.00	0.00	0.00	0.00	1.28	452.71
20	0.00	0.00	0.00	0.00	1.00	451.71
21	0.00	0.00	0.00	0.00	0.91	450.80
22	0.00	0.00	0.00	0.00	0.83	449.97
23	0.00	0.00	0.00	0.00	1.00	448.97
24	0.00	0.00	0.00	0.00	1.13	447.84
25	0.00	0.00	0.00	0.00	1.12	446.72
26	0.00	0.00	0.00	0.00	1.12	445.60
27	0.00	0.00	0.00	0.00	1.28	444.32
28	0.00	0.00	0.00	0.00	1.35	442.97
29	0.00	0.00	0.00	0.00	0.90	442.07
30	0.00	0.00	0.00	0.00	0.57	441.50
	0.00	0.00	0.00	0.00	31.64	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	198.28	0.00	0.00	0.00	198.28
28	0.00	0.00	0.00	0.00	0.60	197.68
29	0.00	0.00	0.00	0.00	0.40	197.28
30	0.00	0.00	0.00	0.00	0.25	197.03
	0.00	198.28	0.00	0.00	1.25	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						253.78
1	0.00	0.00	0.00	0.00	0.95	252.83
2	0.00	0.00	0.00	0.00	0.66	252.17
3	0.00	0.00	0.00	0.00	0.52	251.65
4	0.00	0.00	0.00	0.00	0.52	251.13
5	0.00	0.00	0.00	0.00	0.52	250.61
6	0.00	0.00	0.00	0.00	0.52	250.09
7	0.00	0.00	0.00	0.00	0.85	249.24
8	0.00	0.00	0.00	0.00	0.49	248.75
9	0.00	0.00	0.00	0.00	0.56	248.19
10	0.00	0.00	0.00	0.00	0.29	247.90
11	0.00	0.00	0.00	0.00	0.29	247.61
12	0.00	0.00	0.00	0.00	0.29	247.32
13	0.00	0.00	0.00	0.00	0.49	246.83
14	0.00	0.00	0.00	0.00	0.65	246.18
15	0.00	0.00	0.00	0.00	0.61	245.57
16	0.00	0.00	0.00	0.00	0.67	244.90
17	0.00	0.00	0.00	0.00	0.69	244.21
18	0.00	0.00	0.00	0.00	0.69	243.52
19	0.00	0.00	0.00	0.00	0.68	242.84
20	0.00	0.00	0.00	0.00	0.54	242.30
21	0.00	0.00	0.00	0.00	0.49	241.81
22	0.00	0.00	0.00	0.00	0.45	241.36
23	0.00	0.00	0.00	0.00	0.53	240.83
24	0.00	0.00	0.00	0.00	0.60	240.23
25	0.00	0.00	0.00	0.00	0.60	239.63
26	0.00	0.00	0.00	0.00	0.60	239.03
27	0.00	0.00	0.00	0.00	0.69	238.34
28	0.00	0.00	0.00	0.00	0.73	237.61
29	0.00	0.00	0.00	0.00	0.48	237.13
30	0.00	0.00	0.00	0.00	0.30	236.83
	0.00	0.00	0.00	0.00	16.95	

COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 – Main Office

November 29, 2021

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

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 2021

Dear Mr. Lewis 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 April 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, 2021.

Table 1 shows the amount of pumping during the month of October 2021 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, 13, 14, 15 and 16 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days in October 2021.

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.

Lower Arkansas Water Management Association (LAWMA) delivered 59.11 acre-feet of Fort Lyon Canal shares, 89.91 acre-feet of Highland Canal shares and 157.01 acre-feet of Keesee Ditch Shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in October 2021 totaled 306.03 acre-feet.

As of October 31, 2021, a total of 2,257.14 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of October 2021 is attached in Enclosure 1.

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

Sincerely,

Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
October 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	236.88	104.08
2	BOOTH ORCHARD	2.27	1.14
3	EXCELSIOR	3.66	1.84
4	COLLIER	2.71	0.98
5	COLORADO	147.46	86.41
6	ROCKY FORD HIGHLINE	479.82	409.57
7	OXFORD	60.99	37.83
8	OTERO	4.09	1.47
9	CATLIN	345.71	162
10	FORT LYON US	277.73	123.29
11	ROCKY FORD	5.45	2.73
12	HOLBROOK	62.22	23.4
13	LAS ANIMAS CONSOLIDATED	55.56	21.34
14	BALDWIN-STUBBS	73.49	46.81
15	FORT BENT	14.17	5.99
17	AMITY	266.68	145.83
18	LAMAR/MANVEL	27.79	17.65
19	HYDE	5.44	4.08
20	FORT LYON DS	264.13	131.79
21	XY GRAHAM	254.31	148.79
22	BUFFALO	0.9	0.32
24	STATELINE SOLE SOURCE	196.52	145.81
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	8.35	6.26
	Totals	2,796.33	1,629.41

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
October 2021

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0.00	5.99	0.00	145.83	17.65	4.08	102.08	107.35	0.32	0.00	145.81	529.11

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
October 2021

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		0.00	0.00	0.00	0.00	0.00	0.00	232.74	996.01	26.84	1255.59	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	190.61	815.73	21.98	1028.33	
Replacements												Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0				0.00						0.00	0
CO Beef - Lamar Center Farm	0				525.60	0.00					525.60	0
Lamar Center Farm									0.00		0.00	0.00
Lamar Granada East/West	0				0.00						0.00	0
Ft Bent Ditch Shares	0								0		0.00	0
Stubbs Direct Flow	0					0.00	0.00				0.00	0
XY Direct Flow	0					0					0.00	0
Manvel Direct Flow	1869.46									491.08	491.08	1378.38
Offset Account Release Credit	0	0.00			0.00			0.00			0.00	0
Offset Account Transit Loss	0	0									0.00	0
Offset Account Water	0	0.00	0.00	0.00	0.00						0.00	0
Total Replacements	0	0.00	0.00	0.00	525.60	0.00	0.00	0.00	0.00	491.08	1016.68	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of SWSP and Decreed Augmentation Plan depletions were transferred to the state line.

Enclosure 1

John Martin Offset Accounting for October 2021

OffsetAccount-Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2061.50
1	8.55	0.00	0.00	0.00	2.20	2067.85
2	7.97	0.00	0.00	0.00	2.22	2073.60
3	8.29	0.00	0.00	0.00	2.09	2079.80
4	8.33	0.00	0.00	0.00	6.46	2081.67
5	8.34	0.00	0.00	0.00	2.76	2087.25
6	8.87	0.00	0.00	0.00	4.73	2091.39
7	8.48	0.00	0.00	0.00	3.29	2096.58
8	9.82	0.00	0.00	0.00	4.64	2101.76
9	11.15	0.00	0.00	0.00	4.65	2108.26
10	12.38	0.00	0.00	0.00	4.50	2116.14
11	11.92	0.00	0.00	0.00	4.51	2123.55
12	11.52	0.00	0.00	0.00	5.88	2129.19
13	13.54	0.00	0.00	0.00	3.72	2139.01
14	19.24	0.00	0.00	0.00	2.87	2155.38
15	21.72	0.00	0.00	0.00	3.26	2173.84
16	19.28	0.00	0.00	0.00	3.10	2190.02
17	13.44	0.00	0.00	0.00	2.80	2200.66
18	13.17	0.00	0.00	0.00	3.08	2210.75
19	16.32	0.00	0.00	0.00	2.51	2224.56
20	11.61	0.00	0.00	0.00	5.12	2231.05
21	3.65	0.00	0.00	0.00	3.54	2231.16
22	1.87	0.00	0.00	0.00	1.41	2231.62
23	5.57	0.00	0.00	0.00	1.41	2235.78
24	6.73	0.00	0.00	0.00	1.26	2241.25
25	6.60	0.00	0.00	0.00	3.56	2244.29
26	6.54	0.00	0.00	0.00	7.52	2243.31
27	6.35	0.00	0.00	0.00	5.21	2244.45
28	6.25	0.00	0.00	0.00	2.70	2248.00
29	5.96	0.00	0.00	0.00	3.06	2250.90
30	6.03	0.00	0.00	0.00	3.07	2253.86
31	6.54	0.00	0.00	0.00	3.26	2257.14
	306.03	0.00	0.00	0.00	110.39	

OffsetAccount-Consumable Upstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						678.38
1	0.00	0.00	0.00	0.00	0.72	677.66
2	0.00	0.00	0.00	0.00	0.72	676.94
3	0.00	0.00	0.00	0.00	0.68	676.26
4	0.00	0.00	0.00	0.00	2.09	674.17
5	0.00	0.00	0.00	0.00	0.89	673.28
6	0.00	0.00	0.00	0.00	1.52	671.76
7	0.00	0.00	0.00	0.00	1.05	670.71
8	0.00	0.00	0.00	0.00	1.48	669.23
9	0.00	0.00	0.00	0.00	1.47	667.76
10	0.00	0.00	0.00	0.00	1.42	666.34
11	0.00	0.00	0.00	0.00	1.41	664.93
12	0.00	0.00	0.00	0.00	1.83	663.10
13	0.00	0.00	0.00	0.00	1.15	661.95
14	0.00	0.00	0.00	0.00	0.89	661.06
15	0.00	0.00	0.00	0.00	1.00	660.06
16	0.00	0.00	0.00	0.00	0.94	659.12
17	0.00	0.00	0.00	0.00	0.84	658.28
18	0.00	0.00	0.00	0.00	0.92	657.36
19	0.00	0.00	0.00	0.00	0.74	656.62
20	0.00	0.00	0.00	0.00	1.51	655.11
21	0.00	0.00	0.00	0.00	1.03	654.08
22	0.00	0.00	0.00	0.00	0.41	653.67
23	0.00	0.00	0.00	0.00	0.41	653.26
24	0.00	0.00	0.00	0.00	0.37	652.89
25	0.00	0.00	0.00	0.00	1.03	651.86
26	0.00	0.00	0.00	0.00	2.18	649.68
27	0.00	0.00	0.00	0.00	1.50	648.18
28	0.00	0.00	0.00	0.00	0.78	647.40
29	0.00	0.00	0.00	0.00	0.88	646.52
30	0.00	0.00	0.00	0.00	0.88	645.64
31	0.00	0.00	0.00	0.00	0.93	644.71
	0.00	0.00	0.00	0.00	33.67	

OffsetAccount-Consumable Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1846.20
1	8.55	0.00	0.00	0.00	1.97	1852.78
2	7.97	0.00	0.00	0.00	1.99	1858.76
3	8.29	0.00	0.00	0.00	1.87	1865.18
4	8.33	0.00	0.00	0.00	5.79	1867.72
5	8.34	0.00	0.00	0.00	2.48	1873.58
6	8.87	0.00	0.00	0.00	4.25	1878.20
7	8.48	0.00	0.00	0.00	2.95	1883.73
8	9.82	0.00	0.00	0.00	4.17	1889.38
9	11.15	0.00	0.00	0.00	4.18	1896.35
10	12.38	0.00	0.00	0.00	4.05	1904.68
11	11.92	0.00	0.00	0.00	4.06	1912.54
12	11.52	0.00	0.00	0.00	5.30	1918.76
13	13.54	0.00	0.00	0.00	3.35	1928.95
14	19.24	0.00	0.00	0.00	2.59	1945.60
15	21.72	0.00	0.00	0.00	2.94	1964.38
16	19.28	0.00	0.00	0.00	2.80	1980.86
17	13.44	0.00	0.00	0.00	2.54	1991.76
18	13.17	0.00	0.00	0.00	2.79	2002.14
19	16.32	0.00	0.00	0.00	2.27	2016.19
20	11.61	0.00	0.00	0.00	4.64	2023.16
21	3.65	0.00	0.00	0.00	3.21	2023.60
22	1.87	0.00	0.00	0.00	1.28	2024.19
23	5.57	0.00	0.00	0.00	1.28	2028.48
24	6.73	0.00	0.00	0.00	1.14	2034.07
25	6.60	0.00	0.00	0.00	3.23	2037.44
26	6.54	0.00	0.00	0.00	6.83	2037.15
27	6.35	0.00	0.00	0.00	4.73	2038.77
28	6.25	0.00	0.00	0.00	2.45	2042.57
29	5.96	0.00	0.00	0.00	2.78	2045.75
30	6.03	0.00	0.00	0.00	2.79	2048.99
31	6.54	0.00	0.00	0.00	2.96	2052.57
	306.03	0.00	0.00	0.00	99.66	

OffsetAccount-Consumable Downstream

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1175.48
1	8.55	0.00	0.00	0.00	1.25	1182.78
2	7.97	0.00	0.00	0.00	1.27	1189.48
3	8.29	0.00	0.00	0.00	1.19	1196.58
4	8.33	0.00	0.00	0.00	3.70	1201.21
5	8.34	0.00	0.00	0.00	1.59	1207.96
6	8.87	0.00	0.00	0.00	2.73	1214.10
7	8.48	0.00	0.00	0.00	1.90	1220.68
8	9.82	0.00	0.00	0.00	2.69	1227.81
9	11.15	0.00	0.00	0.00	2.71	1236.25
10	12.38	0.00	0.00	0.00	2.63	1246.00
11	11.92	0.00	0.00	0.00	2.65	1255.27
12	11.52	0.00	0.00	0.00	3.47	1263.32
13	13.54	0.00	0.00	0.00	2.20	1274.66
14	19.24	0.00	0.00	0.00	1.70	1292.20
15	21.72	0.00	0.00	0.00	1.94	1311.98
16	19.28	0.00	0.00	0.00	1.86	1329.40
17	13.44	0.00	0.00	0.00	1.70	1341.14
18	13.17	0.00	0.00	0.00	1.87	1352.44
19	16.32	0.00	0.00	0.00	1.53	1367.23
20	11.61	0.00	0.00	0.00	3.13	1375.71
21	3.65	0.00	0.00	0.00	2.18	1377.18
22	1.87	0.00	0.00	0.00	0.87	1378.18
23	5.57	0.00	0.00	0.00	0.87	1382.88
24	6.73	0.00	0.00	0.00	0.77	1388.84
25	6.60	0.00	0.00	0.00	2.20	1393.24
26	6.54	0.00	0.00	0.00	4.65	1395.13
27	6.35	0.00	0.00	0.00	3.23	1398.25
28	6.25	0.00	0.00	0.00	1.67	1402.83
29	5.96	0.00	0.00	0.00	1.90	1406.89
30	6.03	0.00	0.00	0.00	1.91	1411.01
31	6.54	0.00	0.00	0.00	2.03	1415.52
	306.03	0.00	0.00	0.00	65.99	

OffsetAccount-Consumable Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						215.30
1	0.00	0.00	0.00	0.00	0.23	215.07
2	0.00	0.00	0.00	0.00	0.23	214.84
3	0.00	0.00	0.00	0.00	0.22	214.62
4	0.00	0.00	0.00	0.00	0.67	213.95
5	0.00	0.00	0.00	0.00	0.28	213.67
6	0.00	0.00	0.00	0.00	0.48	213.19
7	0.00	0.00	0.00	0.00	0.34	212.85
8	0.00	0.00	0.00	0.00	0.47	212.38
9	0.00	0.00	0.00	0.00	0.47	211.91
10	0.00	0.00	0.00	0.00	0.45	211.46
11	0.00	0.00	0.00	0.00	0.45	211.01
12	0.00	0.00	0.00	0.00	0.58	210.43
13	0.00	0.00	0.00	0.00	0.37	210.06
14	0.00	0.00	0.00	0.00	0.28	209.78
15	0.00	0.00	0.00	0.00	0.32	209.46
16	0.00	0.00	0.00	0.00	0.30	209.16
17	0.00	0.00	0.00	0.00	0.26	208.90
18	0.00	0.00	0.00	0.00	0.29	208.61
19	0.00	0.00	0.00	0.00	0.24	208.37
20	0.00	0.00	0.00	0.00	0.48	207.89
21	0.00	0.00	0.00	0.00	0.33	207.56
22	0.00	0.00	0.00	0.00	0.13	207.43
23	0.00	0.00	0.00	0.00	0.13	207.30
24	0.00	0.00	0.00	0.00	0.12	207.18
25	0.00	0.00	0.00	0.00	0.33	206.85
26	0.00	0.00	0.00	0.00	0.69	206.16
27	0.00	0.00	0.00	0.00	0.48	205.68
28	0.00	0.00	0.00	0.00	0.25	205.43
29	0.00	0.00	0.00	0.00	0.28	205.15
30	0.00	0.00	0.00	0.00	0.28	204.87
31	0.00	0.00	0.00	0.00	0.30	204.57
	0.00	0.00	0.00	0.00	10.73	

OffsetAccount-ReturnFlow RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						18.27
1	0.00	0.00	0.00	0.00	0.02	18.25
2	0.00	0.00	0.00	0.00	0.02	18.23
3	0.00	0.00	0.00	0.00	0.02	18.21
4	0.00	0.00	0.00	0.00	0.06	18.15
5	0.00	0.00	0.00	0.00	0.02	18.13
6	0.00	0.00	0.00	0.00	0.04	18.09
7	0.00	0.00	0.00	0.00	0.03	18.06
8	0.00	0.00	0.00	0.00	0.04	18.02
9	0.00	0.00	0.00	0.00	0.04	17.98
10	0.00	0.00	0.00	0.00	0.04	17.94
11	0.00	0.00	0.00	0.00	0.04	17.90
12	0.00	0.00	0.00	0.00	0.05	17.85
13	0.00	0.00	0.00	0.00	0.03	17.82
14	0.00	0.00	0.00	0.00	0.02	17.80
15	0.00	0.00	0.00	0.00	0.03	17.77
16	0.00	0.00	0.00	0.00	0.03	17.74
17	0.00	0.00	0.00	0.00	0.02	17.72
18	0.00	0.00	0.00	0.00	0.02	17.70
19	0.00	0.00	0.00	0.00	0.02	17.68
20	0.00	0.00	0.00	0.00	0.04	17.64
21	0.00	0.00	0.00	0.00	0.03	17.61
22	0.00	0.00	0.00	0.00	0.01	17.60
23	0.00	0.00	0.00	0.00	0.01	17.59
24	0.00	0.00	0.00	0.00	0.01	17.58
25	0.00	0.00	0.00	0.00	0.03	17.55
26	0.00	0.00	0.00	0.00	0.06	17.49
27	0.00	0.00	0.00	0.00	0.04	17.45
28	0.00	0.00	0.00	0.00	0.02	17.43
29	0.00	0.00	0.00	0.00	0.02	17.41
30	0.00	0.00	0.00	0.00	0.02	17.39
31	0.00	0.00	0.00	0.00	0.03	17.36
	0.00	0.00	0.00	0.00	0.91	

OffsetAccount-Consumable Upstream CWPDA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						441.53
1	0.00	0.00	0.00	0.00	0.47	441.06
2	0.00	0.00	0.00	0.00	0.47	440.59
3	0.00	0.00	0.00	0.00	0.44	440.15
4	0.00	0.00	0.00	0.00	1.36	438.79
5	0.00	0.00	0.00	0.00	0.58	438.21
6	0.00	0.00	0.00	0.00	0.99	437.22
7	0.00	0.00	0.00	0.00	0.68	436.54
8	0.00	0.00	0.00	0.00	0.96	435.58
9	0.00	0.00	0.00	0.00	0.96	434.62
10	0.00	0.00	0.00	0.00	0.92	433.70
11	0.00	0.00	0.00	0.00	0.92	432.78
12	0.00	0.00	0.00	0.00	1.19	431.59
13	0.00	0.00	0.00	0.00	0.75	430.84
14	0.00	0.00	0.00	0.00	0.58	430.26
15	0.00	0.00	0.00	0.00	0.65	429.61
16	0.00	0.00	0.00	0.00	0.61	429.00
17	0.00	0.00	0.00	0.00	0.55	428.45
18	0.00	0.00	0.00	0.00	0.60	427.85
19	0.00	0.00	0.00	0.00	0.48	427.37
20	0.00	0.00	0.00	0.00	0.98	426.39
21	0.00	0.00	0.00	0.00	0.67	425.72
22	0.00	0.00	0.00	0.00	0.27	425.45
23	0.00	0.00	0.00	0.00	0.27	425.18
24	0.00	0.00	0.00	0.00	0.24	424.94
25	0.00	0.00	0.00	0.00	0.67	424.27
26	0.00	0.00	0.00	0.00	1.42	422.85
27	0.00	0.00	0.00	0.00	0.98	421.87
28	0.00	0.00	0.00	0.00	0.51	421.36
29	0.00	0.00	0.00	0.00	0.57	420.79
30	0.00	0.00	0.00	0.00	0.57	420.22
31	0.00	0.00	0.00	0.00	0.61	419.61
	0.00	0.00	0.00	0.00	21.92	

OffsetAccount-ReturnFlow Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						197.03
1	0.00	0.00	0.00	0.00	0.21	196.82
2	0.00	0.00	0.00	0.00	0.21	196.61
3	0.00	0.00	0.00	0.00	0.20	196.41
4	0.00	0.00	0.00	0.00	0.61	195.80
5	0.00	0.00	0.00	0.00	0.26	195.54
6	0.00	0.00	0.00	0.00	0.44	195.10
7	0.00	0.00	0.00	0.00	0.31	194.79
8	0.00	0.00	0.00	0.00	0.43	194.36
9	0.00	0.00	0.00	0.00	0.43	193.93
10	0.00	0.00	0.00	0.00	0.41	193.52
11	0.00	0.00	0.00	0.00	0.41	193.11
12	0.00	0.00	0.00	0.00	0.53	192.58
13	0.00	0.00	0.00	0.00	0.34	192.24
14	0.00	0.00	0.00	0.00	0.26	191.98
15	0.00	0.00	0.00	0.00	0.29	191.69
16	0.00	0.00	0.00	0.00	0.27	191.42
17	0.00	0.00	0.00	0.00	0.24	191.18
18	0.00	0.00	0.00	0.00	0.27	190.91
19	0.00	0.00	0.00	0.00	0.22	190.69
20	0.00	0.00	0.00	0.00	0.44	190.25
21	0.00	0.00	0.00	0.00	0.30	189.95
22	0.00	0.00	0.00	0.00	0.12	189.83
23	0.00	0.00	0.00	0.00	0.12	189.71
24	0.00	0.00	0.00	0.00	0.11	189.60
25	0.00	0.00	0.00	0.00	0.30	189.30
26	0.00	0.00	0.00	0.00	0.63	188.67
27	0.00	0.00	0.00	0.00	0.44	188.23
28	0.00	0.00	0.00	0.00	0.23	188.00
29	0.00	0.00	0.00	0.00	0.26	187.74
30	0.00	0.00	0.00	0.00	0.26	187.48
31	0.00	0.00	0.00	0.00	0.27	187.21
	0.00	0.00	0.00	0.00	9.82	

OffsetAccount-Consumable Upstream LAWMA

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						236.85
1	0.00	0.00	0.00	0.00	0.25	236.60
2	0.00	0.00	0.00	0.00	0.25	236.35
3	0.00	0.00	0.00	0.00	0.24	236.11
4	0.00	0.00	0.00	0.00	0.73	235.38
5	0.00	0.00	0.00	0.00	0.31	235.07
6	0.00	0.00	0.00	0.00	0.53	234.54
7	0.00	0.00	0.00	0.00	0.37	234.17
8	0.00	0.00	0.00	0.00	0.52	233.65
9	0.00	0.00	0.00	0.00	0.51	233.14
10	0.00	0.00	0.00	0.00	0.50	232.64
11	0.00	0.00	0.00	0.00	0.49	232.15
12	0.00	0.00	0.00	0.00	0.64	231.51
13	0.00	0.00	0.00	0.00	0.40	231.11
14	0.00	0.00	0.00	0.00	0.31	230.80
15	0.00	0.00	0.00	0.00	0.35	230.45
16	0.00	0.00	0.00	0.00	0.33	230.12
17	0.00	0.00	0.00	0.00	0.29	229.83
18	0.00	0.00	0.00	0.00	0.32	229.51
19	0.00	0.00	0.00	0.00	0.26	229.25
20	0.00	0.00	0.00	0.00	0.53	228.72
21	0.00	0.00	0.00	0.00	0.36	228.36
22	0.00	0.00	0.00	0.00	0.14	228.22
23	0.00	0.00	0.00	0.00	0.14	228.08
24	0.00	0.00	0.00	0.00	0.13	227.95
25	0.00	0.00	0.00	0.00	0.36	227.59
26	0.00	0.00	0.00	0.00	0.76	226.83
27	0.00	0.00	0.00	0.00	0.52	226.31
28	0.00	0.00	0.00	0.00	0.27	226.04
29	0.00	0.00	0.00	0.00	0.31	225.73
30	0.00	0.00	0.00	0.00	0.31	225.42
31	0.00	0.00	0.00	0.00	0.32	225.10
	0.00	0.00	0.00	0.00	11.75	