

Report of the Colorado State Engineer Concerning Accounting of the Operations of an Offset Account in John Martin Reservoir for Colorado Pumping 2022



COLORADO
Division of Water Resources
Department of Natural Resources



Submitted to the
Engineering and Operations Committees
Arkansas River Compact Administration

December 1, 2022
Report of the Colorado State Engineer
Offset Account Operations
November 1, 2021 to October 31, 2022

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, 2021 through October 31, 2022 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2021 the Offset Account contained 2,264.80 acre-feet. From November 1, 2021 through October 31, 2022 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-foot 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, 2021 through October 31, 2022, there were nine 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 (X-Y Article II Transfer)	March 31, 2022	March 31, 2022	809.52	500.00	309.52
LAWMA (Keesee, X-Y, Sisson, Stubbs Article II Transfer)	May 22, 2022	May 22, 2022	2,809.28	1,831.21	978.07
LAWMA (X-Y Article II Transfer)	May 31, 2022	May 31, 2022	1,251.72	773.12	478.60
LAWMA (CS-U Delivery)	May 31, 2022	June 2, 2022	250	250	0
CAA (Lake Meredith Delivery)	July 8, 2022	July 15, 2022	97.79	97.79	0
CAA (Catlin)	May 4, 2022	November 15, 2022	56.79	56.79	0
LAWMA (Highland)	April 2, 2022	October 31, 2022	1,595.45	1,595.45	0
LAWMA (Fort Lyon)	November 1, 2021	October 31, 2022	429.60	429.60	0
LAWMA (Keesee)	March 31, 2022	October 31, 2022	1,757.29	1,757.29	0
TOTALS			9,057.44	7,291.25	1,766.19

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 (May 31, 2022-June 9, 2022)
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 0.00 acre-feet

Release from Kansas Consumable Water subaccount = 793.20 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 501.95
acre-feet

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

Total quantity released = 1,295.93 acre-feet

Credit for Colorado Consumptive Use Water

0.7821 x 1296 (Consumptive Use Water) = 1,014 acre-feet credit

The second Offset Account water was released from June 17, 2022 through August 3, 2022 and is summarized as follows:

Summary of Release (June 17, 2022-August 3, 2022)
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 392.23 acre-feet

Release from Kansas Consumable Water subaccount = 1,352.37 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 3,424.66
acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 1,385.62 acre-feet

Total quantity released = 6,554.88 acre-feet

Credit for Colorado Consumptive Use Water

0.5231×4777 (Consumptive Use Water) = 2498.84 acre-feet credit

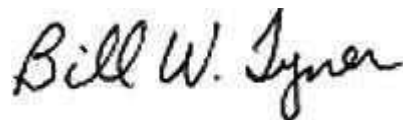
Credits were determined using the Muskingum routing method pursuant to the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters, September 29, 2005.

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, 2022 the Offset Account contained 1,579.45 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, 2022

INDEX

Report of the Colorado State Engineer – Offset Account Operations

Section 1

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

- February 10, 2022 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer to replace stateline depletions
- March 11, 2022 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer to replace stateline depletions
- March 11, 2022 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the CAA Upstream Consumable subaccount
- March 11, 2022 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the AGRA Upstream Consumable subaccount
- March 11, 2022 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the AGRA and CAA Upstream Consumable subaccounts
- March 21, 2022 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account transfer to replace stateline depletions for December 2021
- March 31, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Keesee Ditch water rights.
- March 31, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Fort Lyon Canal water rights.
- March 31, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Highland Canal water rights.
- March 31, 2022 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.

- May 4, 2022 letter to Earl Lewis, Jr. regarding the Final Notice of Offset Account Delivery for LAWMA delivery of 500 acre-feet to Kansas Storage Charge Account of consumable Water
- May 4, 2022 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account transfer to replace stateline depletions for January 2022
- May 4, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account transfer to replace stateline depletions for February and March 2022
- May 4, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the Catlin Augmentation Association (CAA) delivery of Catlin Canal water rights.
- May 20, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account delivery from LAWMA's Article II accounts
- May 30, 2022 letter to Kevin Salter regarding Initial Notice of Offset Account transfer associated with X-Y Canal Section II accounts.
- May 31, 2022 Letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account Delivery for LAWMA
- June 3, 2022 Letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account transfer associated with X-Y Canal Section II accounts.
- July 15, 2022 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account delivery on behalf of LAWMA from Lake Meredith
- July 15, 2022 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account delivery on behalf of CAA from Lake Meredith
- November 30, 2022 letter to Earl Lewis, Jr. Regarding Transfer within the Offset Account for the 10,000 acre-foot Utilization Storage Charge
- November 30, 2022 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 2022.
- November 30, 2022 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Keesee consumptive use water to the Offset Account for April – October 2022.
- November 30, 2022 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 2022.
- November 30, 2022 letter to Earl Lewis, Jr. regarding accounting summary for delivery of CAA's Catlin Canal consumptive use water to the Offset Account for May - November 2022
- November 30, 2022 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

- January 21, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - November 2021 Report

- February 4, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - December 2021 Report
- March 11, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - January 2022 Report
- May 4 , 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - February 2021 Report
- May 4, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - March 2021 Report
- September 2, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - April 2021 Report
- September 2, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - May 2021 Report
- September 2, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - June 2021 Report
- September 2, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - July 2021 Report
- November 30, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - August 2021 Report
- November 30, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - September 2021 Report
- November 30, 2022 letter to Earl Lewis, Jr. and Stephanie Gonzales - October 2021 Report

Section 1

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

TABLE 1
OFFSET ACCOUNT TOTALS

WATER YEAR	CONTENTS	PHYSICAL	ACCOUNT	ACCOUNT		ACCOUNT	ACCOUNT	PHYSICAL	CONTENTS
2022	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	2264.80	6.69			45.45				2226.04
DECEMBER	2226.04	0.00			35.29	1.13	352.27		1837.35
JANUARY	1837.35	0.00			11.46		16.45		1809.44
FEBRUARY	1809.44	0.00			23.19		29.53		1756.72
MARCH	1756.72	74.47	809.52	182.86	52.27	182.86			2588.44
APRIL	2588.44	407.14	690.10		103.77	690.10			2891.81
MAY	2891.81	449.36	4061.00		220.11			86.78	7095.28
JUNE	7095.28	757.22	1372.22		459.32	1372.22		3100.98	4292.20
JULY	4292.20	996.99		4.89	256.81	4.89		4304.35	728.03
AUGUST	728.03	1025.77		2.80	84.88	2.80		358.70	1310.22
SEPTEMBER	1310.22	268.77		3.52	118.16	3.52			1460.83
OCTOBER	1460.83	207.42			88.80				1579.45
TOTALS		4193.83	6932.84	194.07	1499.51	2257.52	398.25	7850.81	

**TABLE A
CONSUMABLE WATER**

WATER YEAR 2022	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	2060.23	6.69		41.37			2025.55
DECEMBER	2025.55			32.05	353.40		1640.10
JANUARY	1640.10			10.21	16.45		1613.44
FEBRUARY	1613.44			20.68	29.53		1563.23
MARCH	1563.23	74.47	682.86	46.51	182.86		2091.19
APRIL	2091.19	407.14	690.10	85.28	690.10		2413.05
MAY	2413.05	449.36	2604.33	178.20		86.78	5201.76
JUNE	5201.76	757.22	1372.22	315.44	1372.22	3100.98	2542.56
JULY	2542.56	996.99	4.89	103.59	4.89	3187.81	248.15
AUGUST	248.15	1025.77	2.80	62.68	2.80	89.62	1121.62
SEPTEMBER	1121.62	268.77	3.52	102.98	3.52		1287.41
OCTOBER	1287.41	207.42		78.97			1415.86
TOTALS		4193.83	5360.72	1077.96	2655.77	6465.19	

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

WATER YEAR 2022	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	204.57			4.08			200.49
DECEMBER	200.49			3.24			197.25
JANUARY	197.25			1.25			196.00
FEBRUARY	196.00			2.51			193.49
MARCH	193.49		309.52	5.76			497.25
APRIL	497.25			18.49			478.76
MAY	478.76		1456.67	41.91			1893.52
JUNE	1893.52			143.88			1749.64
JULY	1749.64			153.22		1116.54	479.88
AUGUST	479.88			22.20		269.08	188.60
SEPTEMBER	188.60			15.18			173.42
OCTOBER	173.42			9.83			163.59
TOTALS		0.00	1766.19	421.55	0.00	1385.62	

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

WATER YEAR 2022	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	644.71			12.90			631.81
DECEMBER	631.81		1.13	9.84	354.53		268.57
JANUARY	268.57		16.45	1.62	32.90		250.50
FEBRUARY	250.50		29.53	3.18	59.06		217.79
MARCH	217.79			6.27			211.52
APRIL	211.52			7.95			203.57
MAY	203.57			11.63			191.94
JUNE	191.94			14.60			177.34
JULY	177.34	97.79		22.09	4.89		248.15
AUGUST	248.15	56.80		25.62	2.80		276.53
SEPTEMBER	276.53			22.31			254.22
OCTOBER	254.22			14.38			239.84
TOTALS		154.59	47.11	152.39	454.18	0.00	

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

WATER YEAR 2022	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	1415.52	6.69		28.47			1393.74
DECEMBER	1393.74			22.21			1371.53
JANUARY	1371.53			8.59			1362.94
FEBRUARY	1362.94			17.50			1345.44
MARCH	1345.44	74.47		36.93	182.86		1200.12
APRIL	1200.12	407.14		34.38	690.10		882.78
MAY	882.78	449.36	2604.33	91.04			3845.43
JUNE	3845.43	757.22		263.17	1372.22	2393.78	573.48
JULY	573.48	899.20	4.89	34.36		1443.21	0.00
AUGUST	0.00	968.97	2.80	37.06		89.62	845.09
SEPTEMBER	845.09	256.40		79.66	3.52		1018.31
OCTOBER	1018.31	207.03		63.71			1161.63
TOTALS		4026.48	2612.02	717.08	2248.70	3926.61	

**TABLE A.3
KANSAS CONSUMABLE**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH	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	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	182.86	3.31	0.00		179.55
APRIL	179.55	0.00	690.10	24.36	0.00		845.29
MAY	845.29	0.00		48.13	0.00	86.78	710.38
JUNE	710.38	0.00	1372.22	3.18	0.00	707.20	1372.22
JULY	1372.22	0.00		19.85	0.00	1352.37	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	2245.18	98.83	0.00	2146.35	

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

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	EVAPORATION	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF MONTH
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	0.00			0.00			0.00
DECEMBER	0.00			0.00			0.00
JANUARY	0.00			0.00			0.00
FEBRUARY	0.00			0.00			0.00
MARCH	0.00		500.00	0.00			500.00
APRIL	500.00			18.59			481.41
MAY	481.41			27.40			454.01
JUNE	454.01			34.49			419.52
JULY	419.52			27.29		392.23	0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00	12.37	3.52	1.01			14.88
OCTOBER	14.88	0.39		0.88			14.39
TOTALS		12.76	503.52	109.66	0.00	392.23	

**TABLE B.1
RETURN FLOW**

WATER YEAR 2022	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	187.21			3.78			183.43
DECEMBER	183.43			2.93			180.50
JANUARY	180.50			1.14			179.36
FEBRUARY	179.36			2.30			177.06
MARCH	177.06		283.25	5.22			455.09
APRIL	455.09			16.91			438.18
MAY	438.18		1329.64	38.32			1729.50
JUNE	1729.50			131.43			1598.07
JULY	1598.07			139.01		1116.54	342.52
AUGUST	342.52			14.07		209.10	119.35
SEPTEMBER	119.35			9.61			109.74
OCTOBER	109.74			6.20			103.54
TOTALS		0.00	1612.89	370.92	0.00	1325.64	

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

WATER YEAR 2022	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	17.36			0.30			17.06
DECEMBER	17.06			0.31			16.75
JANUARY	16.75			0.11			16.64
FEBRUARY	16.64			0.21			16.43
MARCH	16.43		26.27	0.54			42.16
APRIL	42.16			1.58			40.58
MAY	40.58		127.03	3.59			164.02
JUNE	164.02			12.45			151.57
JULY	151.57			14.21			137.36
AUGUST	137.36			8.13		59.98	69.25
SEPTEMBER	69.25			5.57			63.68
OCTOBER	63.68			3.63			60.05
TOTALS		0.00	153.30	50.63	0.00	59.98	

Section 2

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total						OffsetAccount-Consumable Kansas							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2264.80							644.71							0.00
1	6.69	0.00	0.00	0.00	1.63	2269.86	1	0.00	0.00	0.00	0.00	0.46	644.25	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.61	2268.25	2	0.00	0.00	0.00	0.00	0.46	643.79	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.61	2266.64	3	0.00	0.00	0.00	0.00	0.46	643.33	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.59	2265.05	4	0.00	0.00	0.00	0.00	0.45	642.88	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.58	2263.47	5	0.00	0.00	0.00	0.00	0.45	642.43	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.58	2261.89	6	0.00	0.00	0.00	0.00	0.45	641.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.58	2260.31	7	0.00	0.00	0.00	0.00	0.45	641.53	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.57	2258.74	8	0.00	0.00	0.00	0.00	0.45	641.08	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.57	2257.17	9	0.00	0.00	0.00	0.00	0.45	640.63	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.56	2255.61	10	0.00	0.00	0.00	0.00	0.44	640.19	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.55	2254.06	11	0.00	0.00	0.00	0.00	0.44	639.75	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.55	2252.51	12	0.00	0.00	0.00	0.00	0.44	639.31	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.55	2250.96	13	0.00	0.00	0.00	0.00	0.44	638.87	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.53	2249.43	14	0.00	0.00	0.00	0.00	0.43	638.44	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.53	2247.90	15	0.00	0.00	0.00	0.00	0.43	638.01	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.53	2246.37	16	0.00	0.00	0.00	0.00	0.43	637.58	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.52	2244.85	17	0.00	0.00	0.00	0.00	0.43	637.15	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.51	2243.34	18	0.00	0.00	0.00	0.00	0.43	636.72	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.50	2241.84	19	0.00	0.00	0.00	0.00	0.43	636.29	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.48	2240.36	20	0.00	0.00	0.00	0.00	0.42	635.87	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.47	2238.89	21	0.00	0.00	0.00	0.00	0.42	635.45	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.45	2237.44	22	0.00	0.00	0.00	0.00	0.41	635.04	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.45	2235.99	23	0.00	0.00	0.00	0.00	0.41	634.63	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.44	2234.55	24	0.00	0.00	0.00	0.00	0.41	634.22	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.44	2233.11	25	0.00	0.00	0.00	0.00	0.41	633.81	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.42	2231.69	26	0.00	0.00	0.00	0.00	0.40	633.41	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.42	2230.27	27	0.00	0.00	0.00	0.00	0.40	633.01	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.41	2228.86	28	0.00	0.00	0.00	0.00	0.40	632.61	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.41	2227.45	29	0.00	0.00	0.00	0.00	0.40	632.21	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.41	2226.04	30	0.00	0.00	0.00	0.00	0.40	631.81	30	0.00	0.00	0.00	0.00	0.00	0.00
	6.69	0.00	0.00	0.00	45.45			0.00	0.00	0.00	0.00	12.90			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream						OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2060.23							1415.52							0.00
1	6.69	0.00	0.00	0.00	1.48	2065.44	1	6.69	0.00	0.00	0.00	1.02	1421.19	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.47	2063.97	2	0.00	0.00	0.00	0.00	1.01	1420.18	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.47	2062.50	3	0.00	0.00	0.00	0.00	1.01	1419.17	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.45	2061.05	4	0.00	0.00	0.00	0.00	1.00	1418.17	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.44	2059.61	5	0.00	0.00	0.00	0.00	0.99	1417.18	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.44	2058.17	6	0.00	0.00	0.00	0.00	0.99	1416.19	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.44	2056.73	7	0.00	0.00	0.00	0.00	0.99	1415.20	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.43	2055.30	8	0.00	0.00	0.00	0.00	0.98	1414.22	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.43	2053.87	9	0.00	0.00	0.00	0.00	0.98	1413.24	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.42	2052.45	10	0.00	0.00	0.00	0.00	0.98	1412.26	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.41	2051.04	11	0.00	0.00	0.00	0.00	0.97	1411.29	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.41	2049.63	12	0.00	0.00	0.00	0.00	0.97	1410.32	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.41	2048.22	13	0.00	0.00	0.00	0.00	0.97	1409.35	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.39	2046.83	14	0.00	0.00	0.00	0.00	0.96	1408.39	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.39	2045.44	15	0.00	0.00	0.00	0.00	0.96	1407.43	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.39	2044.05	16	0.00	0.00	0.00	0.00	0.96	1406.47	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.38	2042.67	17	0.00	0.00	0.00	0.00	0.95	1405.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.38	2041.29	18	0.00	0.00	0.00	0.00	0.95	1404.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.37	2039.92	19	0.00	0.00	0.00	0.00	0.94	1403.63	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.35	2038.57	20	0.00	0.00	0.00	0.00	0.93	1402.70	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.34	2037.23	21	0.00	0.00	0.00	0.00	0.92	1401.78	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.32	2035.91	22	0.00	0.00	0.00	0.00	0.91	1400.87	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.32	2034.59	23	0.00	0.00	0.00	0.00	0.91	1399.96	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.31	2033.28	24	0.00	0.00	0.00	0.00	0.90	1399.06	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.31	2031.97	25	0.00	0.00	0.00	0.00	0.90	1398.16	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.29	2030.68	26	0.00	0.00	0.00	0.00	0.89	1397.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.29	2029.39	27	0.00	0.00	0.00	0.00	0.89	1396.38	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.28	2028.11	28	0.00	0.00	0.00	0.00	0.88	1395.50	28	0.00	0.00	0.00			

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						204.57							17.36							419.61
1	0.00	0.00	0.00	0.00	0.15	204.42	1	0.00	0.00	0.00	0.00	0.01	17.35	1	0.00	0.00	0.00	0.00	0.30	419.31
2	0.00	0.00	0.00	0.00	0.14	204.28	2	0.00	0.00	0.00	0.00	0.01	17.34	2	0.00	0.00	0.00	0.00	0.30	419.01
3	0.00	0.00	0.00	0.00	0.14	204.14	3	0.00	0.00	0.00	0.00	0.01	17.33	3	0.00	0.00	0.00	0.00	0.30	418.71
4	0.00	0.00	0.00	0.00	0.14	204.00	4	0.00	0.00	0.00	0.00	0.01	17.32	4	0.00	0.00	0.00	0.00	0.29	418.42
5	0.00	0.00	0.00	0.00	0.14	203.86	5	0.00	0.00	0.00	0.00	0.01	17.31	5	0.00	0.00	0.00	0.00	0.29	418.13
6	0.00	0.00	0.00	0.00	0.14	203.72	6	0.00	0.00	0.00	0.00	0.01	17.30	6	0.00	0.00	0.00	0.00	0.29	417.84
7	0.00	0.00	0.00	0.00	0.14	203.58	7	0.00	0.00	0.00	0.00	0.01	17.29	7	0.00	0.00	0.00	0.00	0.29	417.55
8	0.00	0.00	0.00	0.00	0.14	203.44	8	0.00	0.00	0.00	0.00	0.01	17.28	8	0.00	0.00	0.00	0.00	0.29	417.26
9	0.00	0.00	0.00	0.00	0.14	203.30	9	0.00	0.00	0.00	0.00	0.01	17.27	9	0.00	0.00	0.00	0.00	0.29	416.97
10	0.00	0.00	0.00	0.00	0.14	203.16	10	0.00	0.00	0.00	0.00	0.01	17.26	10	0.00	0.00	0.00	0.00	0.29	416.68
11	0.00	0.00	0.00	0.00	0.14	203.02	11	0.00	0.00	0.00	0.00	0.01	17.25	11	0.00	0.00	0.00	0.00	0.29	416.39
12	0.00	0.00	0.00	0.00	0.14	202.88	12	0.00	0.00	0.00	0.00	0.01	17.24	12	0.00	0.00	0.00	0.00	0.29	416.10
13	0.00	0.00	0.00	0.00	0.14	202.74	13	0.00	0.00	0.00	0.00	0.01	17.23	13	0.00	0.00	0.00	0.00	0.29	415.81
14	0.00	0.00	0.00	0.00	0.14	202.60	14	0.00	0.00	0.00	0.00	0.01	17.22	14	0.00	0.00	0.00	0.00	0.28	415.53
15	0.00	0.00	0.00	0.00	0.14	202.46	15	0.00	0.00	0.00	0.00	0.01	17.21	15	0.00	0.00	0.00	0.00	0.28	415.25
16	0.00	0.00	0.00	0.00	0.14	202.32	16	0.00	0.00	0.00	0.00	0.01	17.20	16	0.00	0.00	0.00	0.00	0.28	414.97
17	0.00	0.00	0.00	0.00	0.14	202.18	17	0.00	0.00	0.00	0.00	0.01	17.19	17	0.00	0.00	0.00	0.00	0.28	414.69
18	0.00	0.00	0.00	0.00	0.13	202.05	18	0.00	0.00	0.00	0.00	0.01	17.18	18	0.00	0.00	0.00	0.00	0.28	414.41
19	0.00	0.00	0.00	0.00	0.13	201.92	19	0.00	0.00	0.00	0.00	0.01	17.17	19	0.00	0.00	0.00	0.00	0.28	414.13
20	0.00	0.00	0.00	0.00	0.13	201.79	20	0.00	0.00	0.00	0.00	0.01	17.16	20	0.00	0.00	0.00	0.00	0.27	413.86
21	0.00	0.00	0.00	0.00	0.13	201.66	21	0.00	0.00	0.00	0.00	0.01	17.15	21	0.00	0.00	0.00	0.00	0.27	413.59
22	0.00	0.00	0.00	0.00	0.13	201.53	22	0.00	0.00	0.00	0.00	0.01	17.14	22	0.00	0.00	0.00	0.00	0.27	413.32
23	0.00	0.00	0.00	0.00	0.13	201.40	23	0.00	0.00	0.00	0.00	0.01	17.13	23	0.00	0.00	0.00	0.00	0.27	413.05
24	0.00	0.00	0.00	0.00	0.13	201.27	24	0.00	0.00	0.00	0.00	0.01	17.12	24	0.00	0.00	0.00	0.00	0.27	412.78
25	0.00	0.00	0.00	0.00	0.13	201.14	25	0.00	0.00	0.00	0.00	0.01	17.11	25	0.00	0.00	0.00	0.00	0.27	412.51
26	0.00	0.00	0.00	0.00	0.13	201.01	26	0.00	0.00	0.00	0.00	0.01	17.10	26	0.00	0.00	0.00	0.00	0.26	412.25
27	0.00	0.00	0.00	0.00	0.13	200.88	27	0.00	0.00	0.00	0.00	0.01	17.09	27	0.00	0.00	0.00	0.00	0.26	411.99
28	0.00	0.00	0.00	0.00	0.13	200.75	28	0.00	0.00	0.00	0.00	0.01	17.08	28	0.00	0.00	0.00	0.00	0.26	411.73
29	0.00	0.00	0.00	0.00	0.13	200.62	29	0.00	0.00	0.00	0.00	0.01	17.07	29	0.00	0.00	0.00	0.00	0.26	411.47
30	0.00	0.00	0.00	0.00	0.13	200.49	30	0.00	0.00	0.00	0.00	0.01	17.06	30	0.00	0.00	0.00	0.00	0.26	411.21
	0.00	0.00	0.00	0.00	4.08			0.00	0.00	0.00	0.00	0.30		0.00	0.00	0.00	0.00	0.00	8.40	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						187.21							225.10							0.00
1	0.00	0.00	0.00	0.00	0.14	187.07	1	0.00	0.00	0.00	0.00	0.16	224.94	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.13	186.94	2	0.00	0.00	0.00	0.00	0.16	224.78	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.13	186.81	3	0.00	0.00	0.00	0.00	0.16	224.62	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.13	186.68	4	0.00	0.00	0.00	0.00	0.16	224.46	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.13	186.55	5	0.00	0.00	0.00	0.00	0.16	224.30	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.13	186.42	6	0.00	0.00	0.00	0.00	0.16	224.14	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.13	186.29	7	0.00	0.00	0.00	0.00	0.16	223.98	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.13	186.16	8	0.00	0.00	0.00	0.00	0.16	223.82	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.13	186.03	9	0.00	0.00	0.00	0.00	0.16	223.66	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.13	185.90	10	0.00	0.00	0.00	0.00	0.15	223.51	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.13	185.77	11	0.00	0.00	0.00	0.00	0.15	223.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.13	185.64	12	0.00	0.00	0.00	0.00	0.15	223.21	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.13	185.51	13	0.00	0.00	0.00	0.00	0.15	223.06	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.13	185.38	14	0.00	0.00	0.00	0.00	0.15	222.91	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.13	185.25	15	0.00	0.00	0.00	0.00	0.15	222.76	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.13	185.12	16	0.00	0.00	0.00	0.00	0.15	222.61	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.13	184.99	17	0.00	0.00	0.00	0.00	0.15	222.46	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.12	184.87	18	0.00	0.00	0.00	0.00	0.15	222.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.12	184.75	19	0.00	0.00	0.00	0.00	0.15	222.16	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.12	184.63	20	0.00	0.00	0.00	0.00	0.15	222.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.12	184.51	21	0.00	0.00	0.00	0.00	0.15	221.86	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.12	184.39	22	0.00	0.00	0.00	0.00	0.14	221.72	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.12	184.27	23	0.00	0.00	0.00	0.00	0.14	221.58	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.12	184.15	24	0.00	0.00	0.00	0.00	0.14	221.44	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.12	184.03	25	0.00	0.00	0.00	0.00	0.14	221.30	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.12	183.91	26	0.00	0.00	0.00	0.00	0.14	221.16	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.12	183.79	27	0.00	0.00	0.00	0.00	0.14	221.02	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.12	183.67	28	0.00	0.00	0.00	0.00	0.14	220.88	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.12	183.55	29	0.00	0.00	0.00	0.00	0.14	220.74	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.12	183.43	30	0.00	0.00	0.00	0.00	0.14	220.60	30	0.00	0.0				

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						200.49							17.06							411.21
1	0.00	0.00	0.00	0.00	0.12	200.37	1	0.00	0.00	0.00	0.00	0.01	17.05	1	0.00	0.00	0.00	0.00	0.26	410.95
2	0.00	0.00	0.00	0.00	0.12	200.25	2	0.00	0.00	0.00	0.00	0.01	17.04	2	0.00	0.00	0.00	0.00	0.25	410.70
3	0.00	0.00	0.00	0.00	0.11	200.14	3	0.00	0.00	0.00	0.00	0.01	17.03	3	0.00	0.00	0.00	0.00	0.23	410.47
4	0.00	0.00	0.00	0.00	0.11	200.03	4	0.00	0.00	0.00	0.00	0.01	17.02	4	0.00	0.00	0.00	0.00	0.22	410.25
5	0.00	0.00	0.00	0.00	0.11	199.92	5	0.00	0.00	0.00	0.00	0.01	17.01	5	0.00	0.00	1.13	0.00	0.22	408.90
6	0.00	0.00	0.00	0.00	0.11	199.81	6	0.00	0.00	0.00	0.00	0.01	17.00	6	0.00	0.00	0.00	0.00	0.22	408.68
7	0.00	0.00	0.00	0.00	0.11	199.70	7	0.00	0.00	0.00	0.00	0.01	16.99	7	0.00	0.00	0.00	0.00	0.22	408.46
8	0.00	0.00	0.00	0.00	0.11	199.59	8	0.00	0.00	0.00	0.00	0.01	16.98	8	0.00	0.00	0.00	0.00	0.22	408.24
9	0.00	0.00	0.00	0.00	0.11	199.48	9	0.00	0.00	0.00	0.00	0.01	16.97	9	0.00	0.00	0.00	0.00	0.22	408.02
10	0.00	0.00	0.00	0.00	0.11	199.37	10	0.00	0.00	0.00	0.00	0.01	16.96	10	0.00	0.00	0.00	0.00	0.22	407.80
11	0.00	0.00	0.00	0.00	0.11	199.26	11	0.00	0.00	0.00	0.00	0.01	16.95	11	0.00	0.00	0.00	0.00	0.21	407.59
12	0.00	0.00	0.00	0.00	0.11	199.15	12	0.00	0.00	0.00	0.00	0.01	16.94	12	0.00	0.00	0.00	0.00	0.21	407.38
13	0.00	0.00	0.00	0.00	0.10	199.05	13	0.00	0.00	0.00	0.00	0.01	16.93	13	0.00	0.00	0.00	0.00	0.21	407.17
14	0.00	0.00	0.00	0.00	0.10	198.95	14	0.00	0.00	0.00	0.00	0.01	16.92	14	0.00	0.00	0.00	0.00	0.21	406.96
15	0.00	0.00	0.00	0.00	0.10	198.85	15	0.00	0.00	0.00	0.00	0.01	16.91	15	0.00	0.00	0.00	0.00	0.21	406.75
16	0.00	0.00	0.00	0.00	0.10	198.75	16	0.00	0.00	0.00	0.00	0.01	16.90	16	0.00	0.00	0.00	0.00	0.21	406.54
17	0.00	0.00	0.00	0.00	0.10	198.65	17	0.00	0.00	0.00	0.00	0.01	16.89	17	0.00	0.00	0.00	0.00	0.21	406.33
18	0.00	0.00	0.00	0.00	0.10	198.55	18	0.00	0.00	0.00	0.00	0.01	16.88	18	0.00	0.00	0.00	0.00	0.21	406.12
19	0.00	0.00	0.00	0.00	0.10	198.45	19	0.00	0.00	0.00	0.00	0.01	16.87	19	0.00	0.00	0.00	0.00	0.21	405.91
20	0.00	0.00	0.00	0.00	0.10	198.35	20	0.00	0.00	0.00	0.00	0.01	16.86	20	0.00	0.00	0.00	0.00	0.20	405.71
21	0.00	0.00	0.00	0.00	0.10	198.25	21	0.00	0.00	0.00	0.00	0.01	16.85	21	0.00	0.00	0.00	0.00	0.20	405.51
22	0.00	0.00	0.00	0.00	0.10	198.15	22	0.00	0.00	0.00	0.00	0.01	16.84	22	0.00	0.00	8.70	0.00	0.20	396.61
23	0.00	0.00	0.00	0.00	0.10	198.05	23	0.00	0.00	0.00	0.00	0.01	16.83	23	0.00	0.00	0.00	0.00	0.20	396.41
24	0.00	0.00	0.00	0.00	0.10	197.95	24	0.00	0.00	0.00	0.00	0.01	16.82	24	0.00	0.00	0.00	0.00	0.19	396.22
25	0.00	0.00	0.00	0.00	0.10	197.85	25	0.00	0.00	0.00	0.00	0.01	16.81	25	0.00	0.00	0.00	0.00	0.19	396.03
26	0.00	0.00	0.00	0.00	0.10	197.75	26	0.00	0.00	0.00	0.00	0.01	16.80	26	0.00	0.00	0.00	0.00	0.19	395.84
27	0.00	0.00	0.00	0.00	0.10	197.65	27	0.00	0.00	0.00	0.00	0.01	16.79	27	0.00	0.00	0.00	0.00	0.19	395.65
28	0.00	0.00	0.00	0.00	0.10	197.55	28	0.00	0.00	0.00	0.00	0.01	16.78	28	0.00	0.00	0.00	0.00	0.19	395.46
29	0.00	0.00	0.00	0.00	0.10	197.45	29	0.00	0.00	0.00	0.00	0.01	16.77	29	0.00	0.00	0.00	0.00	0.19	395.27
30	0.00	0.00	0.00	0.00	0.10	197.35	30	0.00	0.00	0.00	0.00	0.01	16.76	30	0.00	0.00	343.57	0.00	0.19	51.51
31	0.00	0.00	0.00	0.00	0.10	197.25	31	0.00	0.00	0.00	0.00	0.01	16.75	31	0.00	0.00	0.00	0.00	0.02	51.49
	0.00	0.00	0.00	0.00	3.24			0.00	0.00	0.00	0.00	0.31		0.00	0.00	353.40	0.00	6.32		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						183.43							220.60							0.00
1	0.00	0.00	0.00	0.00	0.11	183.32	1	0.00	0.00	0.00	0.00	0.14	220.46	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.11	183.21	2	0.00	0.00	0.00	0.00	0.14	220.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.10	183.11	3	0.00	0.00	0.00	0.00	0.12	220.20	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.10	183.01	4	0.00	0.00	0.00	0.00	0.12	220.08	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.10	182.91	5	0.00	0.00	0.00	0.00	0.12	219.96	5	0.00	1.13	1.13	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.10	182.81	6	0.00	0.00	0.00	0.00	0.12	219.84	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.10	182.71	7	0.00	0.00	0.00	0.00	0.12	219.72	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.10	182.61	8	0.00	0.00	0.00	0.00	0.12	219.60	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.10	182.51	9	0.00	0.00	0.00	0.00	0.12	219.48	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.10	182.41	10	0.00	0.00	0.00	0.00	0.12	219.36	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.10	182.31	11	0.00	0.00	0.00	0.00	0.12	219.24	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.10	182.21	12	0.00	0.00	0.00	0.00	0.11	219.13	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.09	182.12	13	0.00	0.00	0.00	0.00	0.11	219.02	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.09	182.03	14	0.00	0.00	0.00	0.00	0.11	218.91	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.09	181.94	15	0.00	0.00	0.00	0.00	0.11	218.80	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.09	181.85	16	0.00	0.00	0.00	0.00	0.11	218.69	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.09	181.76	17	0.00	0.00	0.00	0.00	0.11	218.58	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.09	181.67	18	0.00	0.00	0.00	0.00	0.11	218.47	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.09	181.58	19	0.00	0.00	0.00	0.00	0.11	218.36	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.09	181.49	20	0.00	0.00	0.00	0.00	0.11	218.25	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.09	181.40	21	0.00	0.00	0.00	0.00	0.11	218.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.09	181.31	22	0.00	0.00	0.00	0.00	0.11	218.03	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.09	181.22	23	0.00	0.00	0.00	0.00	0.11	217.92	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.09	181.13	24	0.00	0.00	0.00	0.00	0.11	217.81	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.09	181.04	25	0.00	0.00	0.00	0.00	0.11	217.70	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	180.95	26	0.00	0.00	0.00	0.00	0.11	217.59	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.09	180.86	27	0.00	0.00	0.00	0.00	0.11	217.48	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.09	180.77	28	0.00	0.00	0.00	0.00	0.10	217.38	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.09	180.68	29	0.00	0.00	0.00</										

Offset Account

January 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						197.25							16.75							51.49
1	0.00	0.00	0.00	0.00	0.10	197.15	1	0.00	0.00	0.00	0.00	0.01	16.74	1	0.00	0.00	0.00	0.00	0.02	51.47
2	0.00	0.00	0.00	0.00	0.01	197.14	2	0.00	0.00	0.00	0.00	0.00	16.74	2	0.00	0.00	0.00	0.00	0.00	51.47
3	0.00	0.00	0.00	0.00	0.01	197.13	3	0.00	0.00	0.00	0.00	0.00	16.74	3	0.00	0.00	0.00	0.00	0.00	51.47
4	0.00	0.00	0.00	0.00	0.01	197.12	4	0.00	0.00	0.00	0.00	0.00	16.74	4	0.00	0.00	0.00	0.00	0.00	51.47
5	0.00	0.00	0.00	0.00	0.01	197.11	5	0.00	0.00	0.00	0.00	0.00	16.74	5	0.00	0.00	0.00	0.00	0.00	51.47
6	0.00	0.00	0.00	0.00	0.00	197.11	6	0.00	0.00	0.00	0.00	0.00	16.74	6	0.00	0.00	0.00	0.00	0.00	51.47
7	0.00	0.00	0.00	0.00	0.02	197.09	7	0.00	0.00	0.00	0.00	0.00	16.74	7	0.00	0.00	0.00	0.00	0.00	51.47
8	0.00	0.00	0.00	0.00	0.02	197.07	8	0.00	0.00	0.00	0.00	0.00	16.74	8	0.00	0.00	0.00	0.00	0.00	51.47
9	0.00	0.00	0.00	0.00	0.02	197.05	9	0.00	0.00	0.00	0.00	0.00	16.74	9	0.00	0.00	0.00	0.00	0.00	51.47
10	0.00	0.00	0.00	0.00	0.01	197.04	10	0.00	0.00	0.00	0.00	0.00	16.74	10	0.00	0.00	0.00	0.00	0.00	51.47
11	0.00	0.00	0.00	0.00	0.01	197.03	11	0.00	0.00	0.00	0.00	0.00	16.74	11	0.00	0.00	0.00	0.00	0.00	51.47
12	0.00	0.00	0.00	0.00	0.01	197.02	12	0.00	0.00	0.00	0.00	0.00	16.74	12	0.00	0.00	0.00	0.00	0.00	51.47
13	0.00	0.00	0.00	0.00	0.02	197.00	13	0.00	0.00	0.00	0.00	0.00	16.74	13	0.00	0.00	0.00	0.00	0.00	51.47
14	0.00	0.00	0.00	0.00	0.02	196.98	14	0.00	0.00	0.00	0.00	0.00	16.74	14	0.00	0.00	0.00	0.00	0.00	51.47
15	0.00	0.00	0.00	0.00	0.02	196.96	15	0.00	0.00	0.00	0.00	0.00	16.74	15	0.00	0.00	0.00	0.00	0.01	51.46
16	0.00	0.00	0.00	0.00	0.02	196.94	16	0.00	0.00	0.00	0.00	0.00	16.74	16	0.00	0.00	0.00	0.00	0.01	51.45
17	0.00	0.00	0.00	0.00	0.02	196.92	17	0.00	0.00	0.00	0.00	0.00	16.74	17	0.00	0.00	0.00	0.00	0.01	51.44
18	0.00	0.00	0.00	0.00	0.03	196.89	18	0.00	0.00	0.00	0.00	0.00	16.74	18	0.00	0.00	0.00	0.00	0.01	51.43
19	0.00	0.00	0.00	0.00	0.04	196.85	19	0.00	0.00	0.00	0.00	0.00	16.74	19	0.00	0.00	0.00	0.00	0.01	51.42
20	0.00	0.00	0.00	0.00	0.02	196.83	20	0.00	0.00	0.00	0.00	0.00	16.74	20	0.00	0.00	0.00	0.00	0.01	51.41
21	0.00	0.00	0.00	0.00	0.09	196.74	21	0.00	0.00	0.00	0.00	0.01	16.73	21	0.00	0.00	0.00	0.00	0.02	51.39
22	0.00	0.00	0.00	0.00	0.09	196.65	22	0.00	0.00	0.00	0.00	0.01	16.72	22	0.00	0.00	0.00	0.00	0.02	51.37
23	0.00	0.00	0.00	0.00	0.07	196.58	23	0.00	0.00	0.00	0.00	0.01	16.71	23	0.00	0.00	0.00	0.00	0.02	51.35
24	0.00	0.00	0.00	0.00	0.08	196.50	24	0.00	0.00	0.00	0.00	0.01	16.70	24	0.00	0.00	0.00	0.00	0.02	51.33
25	0.00	0.00	0.00	0.00	0.04	196.46	25	0.00	0.00	0.00	0.00	0.00	16.70	25	0.00	0.00	0.00	0.00	0.01	51.32
26	0.00	0.00	0.00	0.00	0.06	196.40	26	0.00	0.00	0.00	0.00	0.01	16.69	26	0.00	0.00	0.00	0.00	0.02	51.30
27	0.00	0.00	0.00	0.00	0.07	196.33	27	0.00	0.00	0.00	0.00	0.01	16.68	27	0.00	0.00	0.00	0.00	0.02	51.28
28	0.00	0.00	0.00	0.00	0.07	196.26	28	0.00	0.00	0.00	0.00	0.01	16.67	28	0.00	0.00	16.45	0.00	0.02	34.81
29	0.00	0.00	0.00	0.00	0.07	196.19	29	0.00	0.00	0.00	0.00	0.01	16.66	29	0.00	0.00	0.00	0.00	0.01	34.80
30	0.00	0.00	0.00	0.00	0.07	196.12	30	0.00	0.00	0.00	0.00	0.01	16.65	30	0.00	0.00	0.00	0.00	0.01	34.79
31	0.00	0.00	0.00	0.00	0.12	196.00	31	0.00	0.00	0.00	0.00	0.01	16.64	31	0.00	0.00	0.00	0.00	0.02	34.77
	0.00	0.00	0.00	0.00	1.25			0.00	0.00	0.00	0.00	0.11			0.00	0.00	16.45	0.00	0.27	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						180.50							217.08							0.00
1	0.00	0.00	0.00	0.00	0.09	180.41	1	0.00	0.00	0.00	0.00	0.10	216.98	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	180.40	2	0.00	0.00	0.00	0.00	0.01	216.97	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	180.39	3	0.00	0.00	0.00	0.00	0.01	216.96	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.01	180.38	4	0.00	0.00	0.00	0.00	0.01	216.95	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	180.37	5	0.00	0.00	0.00	0.00	0.01	216.94	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	180.37	6	0.00	0.00	0.00	0.00	0.01	216.93	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.02	180.35	7	0.00	0.00	0.00	0.00	0.02	216.91	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.02	180.33	8	0.00	0.00	0.00	0.00	0.02	216.89	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.02	180.31	9	0.00	0.00	0.00	0.00	0.02	216.87	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.01	180.30	10	0.00	0.00	0.00	0.00	0.01	216.86	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.01	180.29	11	0.00	0.00	0.00	0.00	0.01	216.85	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.01	180.28	12	0.00	0.00	0.00	0.00	0.01	216.84	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.02	180.26	13	0.00	0.00	0.00	0.00	0.02	216.82	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.02	180.24	14	0.00	0.00	0.00	0.00	0.02	216.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.02	180.22	15	0.00	0.00	0.00	0.00	0.03	216.77	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.02	180.20	16	0.00	0.00	0.00	0.00	0.03	216.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.02	180.18	17	0.00	0.00	0.00	0.00	0.03	216.71	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.03	180.15	18	0.00	0.00	0.00	0.00	0.04	216.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.04	180.11	19	0.00	0.00	0.00	0.00	0.04	216.63	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.02	180.09	20	0.00	0.00	0.00	0.00	0.03	216.60	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.08	180.01	21	0.00	0.00	0.00	0.00	0.09	216.51	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.08	179.93	22	0.00	0.00	0.00	0.00	0.09	216.42	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.06	179.87	23	0.00	0.00	0.00	0.00	0.08	216.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.07	179.80	24	0.00	0.00	0.00	0.00	0.08	216.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.04	179.76	25	0.00	0.00	0.00	0.00	0.05	216.21	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.05	179.71	26	0.00	0.00	0.00	0.00	0.06	216.15	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.06	179.65	27	0.00	0.00	0.00	0.00	0.07	216.08	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.06	179.59	28	0.00	0.00	0.00	0.00	0.07	216.01	28	0.00	16.45	0.00	0.00	0.00	16.45
29	0.00	0.00	0.00	0.00	0.06	179.53	29	0.00	0.00	0.00	0.00	0.07	215.94							

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1809.44							250.50							0.00
1	0.00	0.00	0.00	0.00	1.04	1808.40	1	0.00	0.00	0.00	0.00	0.14	250.36	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.99	1807.41	2	0.00	0.00	0.00	0.00	0.14	250.22	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.02	1807.39	3	0.00	0.00	0.00	0.00	0.00	250.22	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.02	1807.37	4	0.00	0.00	0.00	0.00	0.00	250.22	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.02	1807.35	5	0.00	0.00	0.00	0.00	0.00	250.22	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.02	1807.33	6	0.00	0.00	0.00	0.00	0.00	250.22	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.07	1807.26	7	0.00	0.00	0.00	0.00	0.01	250.21	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.48	1806.78	8	0.00	0.00	0.00	0.00	0.07	250.14	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.49	1806.29	9	0.00	0.00	0.00	0.00	0.07	250.07	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.49	1805.80	10	0.00	0.00	0.00	0.00	0.07	250.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.19	1804.61	11	0.00	0.00	0.00	0.00	0.16	249.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.18	1803.43	12	0.00	0.00	0.00	0.00	0.16	249.68	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.90	1802.53	13	0.00	0.00	0.00	0.00	0.13	249.55	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.00	1801.53	14	0.00	0.00	0.00	0.00	0.14	249.41	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.11	1800.42	15	0.00	0.00	0.00	0.00	0.15	249.26	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.04	1799.38	16	0.00	0.00	0.00	0.00	0.14	249.12	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.10	1798.28	17	0.00	0.00	0.00	0.00	0.15	248.97	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.10	1797.18	18	0.00	0.00	0.00	0.00	0.15	248.82	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.10	1796.08	19	0.00	0.00	0.00	0.00	0.15	248.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.14	1794.94	20	0.00	0.00	0.00	0.00	0.16	248.51	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.03	1793.91	21	0.00	0.00	0.00	0.00	0.14	248.37	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.02	1792.89	22	0.00	0.00	0.00	0.00	0.14	248.23	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.02	1791.87	23	0.00	0.00	0.00	0.00	0.14	248.09	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.02	1790.85	24	0.00	0.00	0.00	0.00	0.14	247.95	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.97	1789.88	25	0.00	0.00	0.00	0.00	0.13	247.82	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.97	1788.91	26	0.00	0.00	0.00	0.00	0.13	247.69	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.02	1787.89	27	0.00	0.00	0.00	0.00	0.14	247.55	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	29.53	59.06	0.00	1.64	1756.72	28	0.00	29.53	59.06	0.00	0.23	217.79	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	29.53	59.06	0.00	23.19			0.00	29.53	59.06	0.00	3.18			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1613.44							1362.94							0.00
1	0.00	0.00	0.00	0.00	0.93	1612.51	1	0.00	0.00	0.00	0.00	0.79	1362.15	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.88	1611.63	2	0.00	0.00	0.00	0.00	0.74	1361.41	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.02	1611.61	3	0.00	0.00	0.00	0.00	0.02	1361.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.02	1611.59	4	0.00	0.00	0.00	0.00	0.02	1361.37	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.02	1611.57	5	0.00	0.00	0.00	0.00	0.02	1361.35	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.02	1611.55	6	0.00	0.00	0.00	0.00	0.02	1361.33	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.06	1611.49	7	0.00	0.00	0.00	0.00	0.05	1361.28	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.43	1611.06	8	0.00	0.00	0.00	0.00	0.36	1360.92	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.44	1610.62	9	0.00	0.00	0.00	0.00	0.37	1360.55	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.44	1610.18	10	0.00	0.00	0.00	0.00	0.37	1360.18	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.06	1609.12	11	0.00	0.00	0.00	0.00	0.90	1359.28	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.05	1608.07	12	0.00	0.00	0.00	0.00	0.89	1358.39	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.80	1607.27	13	0.00	0.00	0.00	0.00	0.67	1357.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.89	1606.38	14	0.00	0.00	0.00	0.00	0.75	1356.97	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.99	1605.39	15	0.00	0.00	0.00	0.00	0.84	1356.13	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.93	1604.46	16	0.00	0.00	0.00	0.00	0.79	1355.34	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.98	1603.48	17	0.00	0.00	0.00	0.00	0.83	1354.51	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.98	1602.50	18	0.00	0.00	0.00	0.00	0.83	1353.68	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.98	1601.52	19	0.00	0.00	0.00	0.00	0.83	1352.85	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.02	1600.50	20	0.00	0.00	0.00	0.00	0.86	1351.99	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.92	1599.58	21	0.00	0.00	0.00	0.00	0.78	1351.21	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.91	1598.67	22	0.00	0.00	0.00	0.00	0.77	1350.44	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.91	1597.76	23	0.00	0.00	0.00	0.00	0.77	1349.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.91	1596.85	24	0.00	0.00	0.00	0.00	0.77	1348.90	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.86	1595.99	25	0.00	0.00	0.00	0.00	0.73	1348.17	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.86	1595.13	26	0.00	0.00	0.00	0.00	0.73	1347.44	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.91	1594.22	27	0.00	0.00	0.00	0.00	0.77	1346.67	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	29.53	59.06	0.00	1.46	1563.23	28	0.00	0.00	0.00	0.00	1.23	1345.44	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	29.53	59.06	0.00	20.68			0.00	0.00	0.00	0.00	17.50			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						196.00							16.64							34.77
1	0.00	0.00	0.00	0.00	0.11	195.89	1	0.00	0.00	0.00	0.00	0.01	16.63	1	0.00	0.00	0.00	0.00	0.02	34.75
2	0.00	0.00	0.00	0.00	0.11	195.78	2	0.00	0.00	0.00	0.00	0.01	16.62	2	0.00	0.00	0.00	0.00	0.02	34.73
3	0.00	0.00	0.00	0.00	0.00	195.78	3	0.00	0.00	0.00	0.00	0.00	16.62	3	0.00	0.00	0.00	0.00	0.00	34.73
4	0.00	0.00	0.00	0.00	0.00	195.78	4	0.00	0.00	0.00	0.00	0.00	16.62	4	0.00	0.00	0.00	0.00	0.00	34.73
5	0.00	0.00	0.00	0.00	0.00	195.78	5	0.00	0.00	0.00	0.00	0.00	16.62	5	0.00	0.00	0.00	0.00	0.00	34.73
6	0.00	0.00	0.00	0.00	0.00	195.78	6	0.00	0.00	0.00	0.00	0.00	16.62	6	0.00	0.00	0.00	0.00	0.00	34.73
7	0.00	0.00	0.00	0.00	0.01	195.77	7	0.00	0.00	0.00	0.00	0.00	16.62	7	0.00	0.00	0.00	0.00	0.00	34.73
8	0.00	0.00	0.00	0.00	0.05	195.72	8	0.00	0.00	0.00	0.00	0.00	16.62	8	0.00	0.00	0.00	0.00	0.01	34.72
9	0.00	0.00	0.00	0.00	0.05	195.67	9	0.00	0.00	0.00	0.00	0.00	16.62	9	0.00	0.00	0.00	0.00	0.01	34.71
10	0.00	0.00	0.00	0.00	0.05	195.62	10	0.00	0.00	0.00	0.00	0.00	16.62	10	0.00	0.00	0.00	0.00	0.01	34.70
11	0.00	0.00	0.00	0.00	0.13	195.49	11	0.00	0.00	0.00	0.00	0.01	16.61	11	0.00	0.00	0.00	0.00	0.02	34.68
12	0.00	0.00	0.00	0.00	0.13	195.36	12	0.00	0.00	0.00	0.00	0.01	16.60	12	0.00	0.00	0.00	0.00	0.02	34.66
13	0.00	0.00	0.00	0.00	0.10	195.26	13	0.00	0.00	0.00	0.00	0.01	16.59	13	0.00	0.00	0.00	0.00	0.02	34.64
14	0.00	0.00	0.00	0.00	0.11	195.15	14	0.00	0.00	0.00	0.00	0.01	16.58	14	0.00	0.00	0.00	0.00	0.02	34.62
15	0.00	0.00	0.00	0.00	0.12	195.03	15	0.00	0.00	0.00	0.00	0.01	16.57	15	0.00	0.00	0.00	0.00	0.02	34.60
16	0.00	0.00	0.00	0.00	0.11	194.92	16	0.00	0.00	0.00	0.00	0.01	16.56	16	0.00	0.00	0.00	0.00	0.02	34.58
17	0.00	0.00	0.00	0.00	0.12	194.80	17	0.00	0.00	0.00	0.00	0.01	16.55	17	0.00	0.00	0.00	0.00	0.02	34.56
18	0.00	0.00	0.00	0.00	0.12	194.68	18	0.00	0.00	0.00	0.00	0.01	16.54	18	0.00	0.00	0.00	0.00	0.02	34.54
19	0.00	0.00	0.00	0.00	0.12	194.56	19	0.00	0.00	0.00	0.00	0.01	16.53	19	0.00	0.00	0.00	0.00	0.02	34.52
20	0.00	0.00	0.00	0.00	0.12	194.44	20	0.00	0.00	0.00	0.00	0.01	16.52	20	0.00	0.00	0.00	0.00	0.02	34.50
21	0.00	0.00	0.00	0.00	0.11	194.33	21	0.00	0.00	0.00	0.00	0.01	16.51	21	0.00	0.00	0.00	0.00	0.02	34.48
22	0.00	0.00	0.00	0.00	0.11	194.22	22	0.00	0.00	0.00	0.00	0.01	16.50	22	0.00	0.00	0.00	0.00	0.02	34.46
23	0.00	0.00	0.00	0.00	0.11	194.11	23	0.00	0.00	0.00	0.00	0.01	16.49	23	0.00	0.00	0.00	0.00	0.02	34.44
24	0.00	0.00	0.00	0.00	0.11	194.00	24	0.00	0.00	0.00	0.00	0.01	16.48	24	0.00	0.00	0.00	0.00	0.02	34.42
25	0.00	0.00	0.00	0.00	0.11	193.89	25	0.00	0.00	0.00	0.00	0.01	16.47	25	0.00	0.00	0.00	0.00	0.02	34.40
26	0.00	0.00	0.00	0.00	0.11	193.78	26	0.00	0.00	0.00	0.00	0.01	16.46	26	0.00	0.00	0.00	0.00	0.02	34.38
27	0.00	0.00	0.00	0.00	0.11	193.67	27	0.00	0.00	0.00	0.00	0.01	16.45	27	0.00	0.00	0.00	0.00	0.02	34.36
28	0.00	0.00	0.00	0.00	0.18	193.49	28	0.00	0.00	0.00	0.00	0.02	16.43	28	0.00	0.00	29.53	0.00	0.03	4.80
	0.00	0.00	0.00	0.00	2.51			0.00	0.00	0.00	0.00	0.21			0.00	0.00	29.53	0.00	0.44	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						179.36							215.73							0.00
1	0.00	0.00	0.00	0.00	0.10	179.26	1	0.00	0.00	0.00	0.00	0.12	215.61	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.10	179.16	2	0.00	0.00	0.00	0.00	0.12	215.49	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	179.16	3	0.00	0.00	0.00	0.00	0.00	215.49	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	179.16	4	0.00	0.00	0.00	0.00	0.00	215.49	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	179.16	5	0.00	0.00	0.00	0.00	0.00	215.49	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	179.16	6	0.00	0.00	0.00	0.00	0.00	215.49	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.01	179.15	7	0.00	0.00	0.00	0.00	0.01	215.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.05	179.10	8	0.00	0.00	0.00	0.00	0.06	215.42	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.05	179.05	9	0.00	0.00	0.00	0.00	0.06	215.36	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.05	179.00	10	0.00	0.00	0.00	0.00	0.06	215.30	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.12	178.88	11	0.00	0.00	0.00	0.00	0.14	215.16	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.12	178.76	12	0.00	0.00	0.00	0.00	0.14	215.02	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.09	178.67	13	0.00	0.00	0.00	0.00	0.11	214.91	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.10	178.57	14	0.00	0.00	0.00	0.00	0.12	214.79	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.11	178.46	15	0.00	0.00	0.00	0.00	0.13	214.66	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.10	178.36	16	0.00	0.00	0.00	0.00	0.12	214.54	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.11	178.25	17	0.00	0.00	0.00	0.00	0.13	214.41	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.11	178.14	18	0.00	0.00	0.00	0.00	0.13	214.28	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.11	178.03	19	0.00	0.00	0.00	0.00	0.13	214.15	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.11	177.92	20	0.00	0.00	0.00	0.00	0.14	214.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.10	177.82	21	0.00	0.00	0.00	0.00	0.12	213.89	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.10	177.72	22	0.00	0.00	0.00	0.00	0.12	213.77	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.10	177.62	23	0.00	0.00	0.00	0.00	0.12	213.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.10	177.52	24	0.00	0.00	0.00	0.00	0.12	213.53	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.10	177.42	25	0.00	0.00	0.00	0.00	0.11	213.42	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.10	177.32	26	0.00	0.00	0.00	0.00	0.11	213.31	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.10	177.22	27	0.00	0.00	0.00	0.00	0.12	213.19	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.16	177.06	28	0.00	0.00	0.00	0.00	0.20	212.99	28	0.00	29.53	29.53	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	2.30			0.00	0.00	0.00	0.00	2.74			0.00	29.53	29.53	0.00	0.00	

Offset Account

March 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1756.72							217.79							0.00
1	0.00	0.00	0.00	0.00	1.70	1755.02	1	0.00	0.00	0.00	0.00	0.21	217.58	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.68	1753.34	2	0.00	0.00	0.00	0.00	0.20	217.38	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.77	1751.57	3	0.00	0.00	0.00	0.00	0.21	217.17	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.76	1749.81	4	0.00	0.00	0.00	0.00	0.21	216.96	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.76	1748.05	5	0.00	0.00	0.00	0.00	0.21	216.75	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.67	1746.38	6	0.00	0.00	0.00	0.00	0.20	216.55	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.66	1744.72	7	0.00	0.00	0.00	0.00	0.20	216.35	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.73	1742.99	8	0.00	0.00	0.00	0.00	0.21	216.14	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.65	1741.34	9	0.00	0.00	0.00	0.00	0.20	215.94	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.55	1739.79	10	0.00	0.00	0.00	0.00	0.19	215.75	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.71	1738.08	11	0.00	0.00	0.00	0.00	0.21	215.54	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	182.86	182.86	0.00	1.71	1736.37	12	0.00	0.00	0.00	0.00	0.21	215.33	12	0.00	182.86	0.00	0.00	0.00	182.86
13	0.00	0.00	0.00	0.00	1.70	1734.67	13	0.00	0.00	0.00	0.00	0.21	215.12	13	0.00	0.00	0.00	0.00	0.18	182.68
14	0.00	0.00	0.00	0.00	1.68	1732.99	14	0.00	0.00	0.00	0.00	0.20	214.92	14	0.00	0.00	0.00	0.00	0.18	182.50
15	0.00	0.00	0.00	0.00	1.68	1731.31	15	0.00	0.00	0.00	0.00	0.20	214.72	15	0.00	0.00	0.00	0.00	0.18	182.32
16	0.00	0.00	0.00	0.00	1.67	1729.64	16	0.00	0.00	0.00	0.00	0.20	214.52	16	0.00	0.00	0.00	0.00	0.18	182.14
17	0.00	0.00	0.00	0.00	1.65	1727.99	17	0.00	0.00	0.00	0.00	0.20	214.32	17	0.00	0.00	0.00	0.00	0.17	181.97
18	0.00	0.00	0.00	0.00	1.65	1726.34	18	0.00	0.00	0.00	0.00	0.20	214.12	18	0.00	0.00	0.00	0.00	0.17	181.80
19	0.00	0.00	0.00	0.00	1.65	1724.69	19	0.00	0.00	0.00	0.00	0.20	213.92	19	0.00	0.00	0.00	0.00	0.17	181.63
20	0.00	0.00	0.00	0.00	1.63	1723.06	20	0.00	0.00	0.00	0.00	0.20	213.72	20	0.00	0.00	0.00	0.00	0.17	181.46
21	12.25	0.00	0.00	0.00	1.63	1733.68	21	0.00	0.00	0.00	0.00	0.20	213.52	21	0.00	0.00	0.00	0.00	0.17	181.29
22	28.68	0.00	0.00	0.00	1.63	1760.73	22	0.00	0.00	0.00	0.00	0.20	213.32	22	0.00	0.00	0.00	0.00	0.17	181.12
23	17.10	0.00	0.00	0.00	1.66	1776.17	23	0.00	0.00	0.00	0.00	0.20	213.12	23	0.00	0.00	0.00	0.00	0.17	180.95
24	9.95	0.00	0.00	0.00	1.66	1784.46	24	0.00	0.00	0.00	0.00	0.20	212.92	24	0.00	0.00	0.00	0.00	0.17	180.78
25	6.49	0.00	0.00	0.00	1.65	1789.30	25	0.00	0.00	0.00	0.00	0.19	212.73	25	0.00	0.00	0.00	0.00	0.17	180.61
26	0.00	0.00	0.00	0.00	1.66	1787.64	26	0.00	0.00	0.00	0.00	0.19	212.54	26	0.00	0.00	0.00	0.00	0.17	180.44
27	0.00	0.00	0.00	0.00	1.65	1785.99	27	0.00	0.00	0.00	0.00	0.19	212.35	27	0.00	0.00	0.00	0.00	0.17	180.27
28	0.00	0.00	0.00	0.00	1.65	1784.34	28	0.00	0.00	0.00	0.00	0.19	212.16	28	0.00	0.00	0.00	0.00	0.17	180.10
29	0.00	0.00	0.00	0.00	1.65	1782.69	29	0.00	0.00	0.00	0.00	0.19	211.97	29	0.00	0.00	0.00	0.00	0.17	179.93
30	0.00	0.00	0.00	0.00	1.64	1781.05	30	0.00	0.00	0.00	0.00	0.19	211.78	30	0.00	0.00	0.00	0.00	0.17	179.76
31	0.00	809.52	0.00	0.00	2.13	2588.44	31	0.00	0.00	0.00	0.00	0.26	211.52	31	0.00	0.00	0.00	0.00	0.21	179.55
	74.47	992.38	182.86	0.00	52.27			0.00	0.00	0.00	0.00	6.27			0.00	182.86	0.00	0.00	3.31	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1563.23							1345.44							0.00
1	0.00	0.00	0.00	0.00	1.51	1561.72	1	0.00	0.00	0.00	0.00	1.30	1344.14	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.49	1560.23	2	0.00	0.00	0.00	0.00	1.29	1342.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.57	1558.66	3	0.00	0.00	0.00	0.00	1.36	1341.49	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.56	1557.10	4	0.00	0.00	0.00	0.00	1.35	1340.14	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.56	1555.54	5	0.00	0.00	0.00	0.00	1.35	1338.79	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.48	1554.06	6	0.00	0.00	0.00	0.00	1.28	1337.51	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.47	1552.59	7	0.00	0.00	0.00	0.00	1.27	1336.24	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.54	1551.05	8	0.00	0.00	0.00	0.00	1.33	1334.91	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.46	1549.59	9	0.00	0.00	0.00	0.00	1.26	1333.65	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.38	1548.21	10	0.00	0.00	0.00	0.00	1.19	1332.46	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.52	1546.69	11	0.00	0.00	0.00	0.00	1.31	1331.15	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	182.86	182.86	0.00	1.52	1545.17	12	0.00	0.00	182.86	0.00	1.31	1146.98	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.51	1543.66	13	0.00	0.00	0.00	0.00	1.12	1145.86	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.49	1542.17	14	0.00	0.00	0.00	0.00	1.11	1144.75	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.49	1540.68	15	0.00	0.00	0.00	0.00	1.11	1143.64	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.48	1539.20	16	0.00	0.00	0.00	0.00	1.10	1142.54	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.46	1537.74	17	0.00	0.00	0.00	0.00	1.09	1141.45	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.46	1536.28	18	0.00	0.00	0.00	0.00	1.09	1140.36	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.46	1534.82	19	0.00	0.00	0.00	0.00	1.09	1139.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.45	1533.37	20	0.00	0.00	0.00	0.00	1.08	1138.19	20	0.00	0.00	0.00	0.00	0.00	0.00
21	12.25	0.00	0.00	0.00	1.45	1544.17	21	12.25	0.00	0.00	0.00	1.08	1149.36	21	0.00	0.00	0.00	0.00	0.00	0.00
22	28.68	0.00	0.00	0.00	1.45	1571.40	22	28.68	0.00	0.00	0.00	1.08	1176.96	22	0.00	0.00	0.00	0.00	0.00	0.00
23	17.10	0.00	0.00	0.00	1.48	1587.02	23	17.10	0.00	0.00	0.00	1.11	1192.95	23	0.00	0.00	0.00	0.00	0.00	0.00
24	9.95	0.00	0.00	0.00	1.49	1595.48	24	9.95	0.00	0.00	0.00	1.12	1201.78	24	0.00	0.00	0.00	0.00	0.00	0.00
25	6.49	0.00	0.00	0.00	1.48	1600.49	25	6.49	0.00	0.00	0.00	1.12	1207.15	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.49	1599.00	26	0.00	0.00	0.00	0.00	1.13	1206.02	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.48	1597.52	27	0.0												

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						193.49							16.43							4.80
1	0.00	0.00	0.00	0.00	0.19	193.30	1	0.00	0.00	0.00	0.00	0.02	16.41	1	0.00	0.00	0.00	0.00	0.00	4.80
2	0.00	0.00	0.00	0.00	0.19	193.11	2	0.00	0.00	0.00	0.00	0.02	16.39	2	0.00	0.00	0.00	0.00	0.00	4.80
3	0.00	0.00	0.00	0.00	0.20	192.91	3	0.00	0.00	0.00	0.00	0.02	16.37	3	0.00	0.00	0.00	0.00	0.00	4.80
4	0.00	0.00	0.00	0.00	0.20	192.71	4	0.00	0.00	0.00	0.00	0.02	16.35	4	0.00	0.00	0.00	0.00	0.00	4.80
5	0.00	0.00	0.00	0.00	0.20	192.51	5	0.00	0.00	0.00	0.00	0.02	16.33	5	0.00	0.00	0.00	0.00	0.00	4.80
6	0.00	0.00	0.00	0.00	0.19	192.32	6	0.00	0.00	0.00	0.00	0.02	16.31	6	0.00	0.00	0.00	0.00	0.00	4.80
7	0.00	0.00	0.00	0.00	0.19	192.13	7	0.00	0.00	0.00	0.00	0.02	16.29	7	0.00	0.00	0.00	0.00	0.00	4.80
8	0.00	0.00	0.00	0.00	0.19	191.94	8	0.00	0.00	0.00	0.00	0.02	16.27	8	0.00	0.00	0.00	0.00	0.00	4.80
9	0.00	0.00	0.00	0.00	0.19	191.75	9	0.00	0.00	0.00	0.00	0.02	16.25	9	0.00	0.00	0.00	0.00	0.00	4.80
10	0.00	0.00	0.00	0.00	0.17	191.58	10	0.00	0.00	0.00	0.00	0.01	16.24	10	0.00	0.00	0.00	0.00	0.00	4.80
11	0.00	0.00	0.00	0.00	0.19	191.39	11	0.00	0.00	0.00	0.00	0.02	16.22	11	0.00	0.00	0.00	0.00	0.00	4.80
12	0.00	0.00	0.00	0.00	0.19	191.20	12	0.00	0.00	0.00	0.00	0.02	16.20	12	0.00	0.00	0.00	0.00	0.00	4.80
13	0.00	0.00	0.00	0.00	0.19	191.01	13	0.00	0.00	0.00	0.00	0.02	16.18	13	0.00	0.00	0.00	0.00	0.00	4.80
14	0.00	0.00	0.00	0.00	0.19	190.82	14	0.00	0.00	0.00	0.00	0.02	16.16	14	0.00	0.00	0.00	0.00	0.00	4.80
15	0.00	0.00	0.00	0.00	0.19	190.63	15	0.00	0.00	0.00	0.00	0.02	16.14	15	0.00	0.00	0.00	0.00	0.00	4.80
16	0.00	0.00	0.00	0.00	0.19	190.44	16	0.00	0.00	0.00	0.00	0.02	16.12	16	0.00	0.00	0.00	0.00	0.00	4.80
17	0.00	0.00	0.00	0.00	0.19	190.25	17	0.00	0.00	0.00	0.00	0.02	16.10	17	0.00	0.00	0.00	0.00	0.00	4.80
18	0.00	0.00	0.00	0.00	0.19	190.06	18	0.00	0.00	0.00	0.00	0.02	16.08	18	0.00	0.00	0.00	0.00	0.00	4.80
19	0.00	0.00	0.00	0.00	0.19	189.87	19	0.00	0.00	0.00	0.00	0.02	16.06	19	0.00	0.00	0.00	0.00	0.00	4.80
20	0.00	0.00	0.00	0.00	0.18	189.69	20	0.00	0.00	0.00	0.00	0.02	16.04	20	0.00	0.00	0.00	0.00	0.00	4.80
21	0.00	0.00	0.00	0.00	0.18	189.51	21	0.00	0.00	0.00	0.00	0.02	16.02	21	0.00	0.00	0.00	0.00	0.00	4.80
22	0.00	0.00	0.00	0.00	0.18	189.33	22	0.00	0.00	0.00	0.00	0.02	16.00	22	0.00	0.00	0.00	0.00	0.00	4.80
23	0.00	0.00	0.00	0.00	0.18	189.15	23	0.00	0.00	0.00	0.00	0.02	15.98	23	0.00	0.00	0.00	0.00	0.00	4.80
24	0.00	0.00	0.00	0.00	0.17	188.98	24	0.00	0.00	0.00	0.00	0.01	15.97	24	0.00	0.00	0.00	0.00	0.00	4.80
25	0.00	0.00	0.00	0.00	0.17	188.81	25	0.00	0.00	0.00	0.00	0.01	15.96	25	0.00	0.00	0.00	0.00	0.00	4.80
26	0.00	0.00	0.00	0.00	0.17	188.64	26	0.00	0.00	0.00	0.00	0.01	15.95	26	0.00	0.00	0.00	0.00	0.00	4.80
27	0.00	0.00	0.00	0.00	0.17	188.47	27	0.00	0.00	0.00	0.00	0.01	15.94	27	0.00	0.00	0.00	0.00	0.00	4.80
28	0.00	0.00	0.00	0.00	0.17	188.30	28	0.00	0.00	0.00	0.00	0.01	15.93	28	0.00	0.00	0.00	0.00	0.00	4.80
29	0.00	0.00	0.00	0.00	0.17	188.13	29	0.00	0.00	0.00	0.00	0.01	15.92	29	0.00	0.00	0.00	0.00	0.00	4.80
30	0.00	0.00	0.00	0.00	0.17	187.96	30	0.00	0.00	0.00	0.00	0.01	15.91	30	0.00	0.00	0.00	0.00	0.00	4.80
31	0.00	309.52	0.00	0.00	0.23	497.25	31	0.00	26.27	0.00	0.00	0.02	42.16	31	0.00	0.00	0.00	0.00	0.01	4.79
	0.00	309.52	0.00	0.00	5.76			0.00	26.27	0.00	0.00	0.54			0.00	0.00	0.00	0.00	0.01	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						177.06							212.99							0.00
1	0.00	0.00	0.00	0.00	0.17	176.89	1	0.00	0.00	0.00	0.00	0.21	212.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.17	176.72	2	0.00	0.00	0.00	0.00	0.20	212.58	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.18	176.54	3	0.00	0.00	0.00	0.00	0.21	212.37	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.18	176.36	4	0.00	0.00	0.00	0.00	0.21	212.16	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.18	176.18	5	0.00	0.00	0.00	0.00	0.21	211.95	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.17	176.01	6	0.00	0.00	0.00	0.00	0.20	211.75	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.17	175.84	7	0.00	0.00	0.00	0.00	0.20	211.55	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.17	175.67	8	0.00	0.00	0.00	0.00	0.21	211.34	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.17	175.50	9	0.00	0.00	0.00	0.00	0.20	211.14	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.16	175.34	10	0.00	0.00	0.00	0.00	0.19	210.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.17	175.17	11	0.00	0.00	0.00	0.00	0.21	210.74	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.17	175.00	12	0.00	0.00	0.00	0.00	0.21	210.53	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.17	174.83	13	0.00	0.00	0.00	0.00	0.21	210.32	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.17	174.66	14	0.00	0.00	0.00	0.00	0.20	210.12	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.17	174.49	15	0.00	0.00	0.00	0.00	0.20	209.92	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.17	174.32	16	0.00	0.00	0.00	0.00	0.20	209.72	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.17	174.15	17	0.00	0.00	0.00	0.00	0.20	209.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	173.98	18	0.00	0.00	0.00	0.00	0.20	209.32	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.17	173.81	19	0.00	0.00	0.00	0.00	0.20	209.12	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.16	173.65	20	0.00	0.00	0.00	0.00	0.20	208.92	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.16	173.49	21	0.00	0.00	0.00	0.00	0.20	208.72	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.16	173.33	22	0.00	0.00	0.00	0.00	0.20	208.52	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.16	173.17	23	0.00	0.00	0.00	0.00	0.20	208.32	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.16	173.01	24	0.00	0.00	0.00	0.00	0.20	208.12	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.16	172.85	25	0.00	0.00	0.00	0.00	0.19	207.93	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.16	172.69	26	0.00	0.00	0.00	0.00	0.19	207.74	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.16	172.53	27	0.00	0.00	0.00	0.00	0.19	207.55	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.16	172.37	28	0.00	0.00	0.00	0.00	0.19	207.36	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.16	172.21	29	0.00	0.00	0.00	0.00	0.19	207.17	29	0.00	0.00				

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2588.44							211.52							179.55
1	0.00	0.00	0.00	0.00	3.09	2585.35	1	0.00	0.00	0.00	0.00	0.26	211.26	1	0.00	0.00	0.00	0.00	0.21	179.34
2	11.94	0.00	0.00	0.00	3.08	2594.21	2	0.00	0.00	0.00	0.00	0.26	211.00	2	0.00	0.00	0.00	0.00	0.21	179.13
3	10.42	0.00	0.00	0.00	3.09	2601.54	3	0.00	0.00	0.00	0.00	0.26	210.74	3	0.00	0.00	0.00	0.00	0.21	178.92
4	7.81	0.00	0.00	0.00	3.09	2606.26	4	0.00	0.00	0.00	0.00	0.25	210.49	4	0.00	0.00	0.00	0.00	0.21	178.71
5	10.64	0.00	0.00	0.00	3.09	2613.81	5	0.00	0.00	0.00	0.00	0.25	210.24	5	0.00	0.00	0.00	0.00	0.21	178.50
6	12.39	0.00	0.00	0.00	3.10	2623.10	6	0.00	0.00	0.00	0.00	0.25	209.99	6	0.00	0.00	0.00	0.00	0.21	178.29
7	12.50	0.00	0.00	0.00	3.12	2632.48	7	0.00	0.00	0.00	0.00	0.25	209.74	7	0.00	0.00	0.00	0.00	0.21	178.08
8	12.28	0.00	0.00	0.00	3.13	2641.63	8	0.00	0.00	0.00	0.00	0.25	209.49	8	0.00	0.00	0.00	0.00	0.21	177.87
9	11.61	0.00	0.00	0.00	3.13	2650.11	9	0.00	0.00	0.00	0.00	0.25	209.24	9	0.00	0.00	0.00	0.00	0.21	177.66
10	12.06	690.10	690.10	0.00	3.14	2659.03	10	0.00	0.00	0.00	0.00	0.25	208.99	10	0.00	690.10	0.00	0.00	0.21	867.55
11	12.50	0.00	0.00	0.00	3.16	2668.37	11	0.00	0.00	0.00	0.00	0.25	208.74	11	0.00	0.00	0.00	0.00	1.03	866.52
12	11.16	0.00	0.00	0.00	3.17	2676.36	12	0.00	0.00	0.00	0.00	0.25	208.49	12	0.00	0.00	0.00	0.00	1.03	865.49
13	9.76	0.00	0.00	0.00	3.17	2682.95	13	0.00	0.00	0.00	0.00	0.25	208.24	13	0.00	0.00	0.00	0.00	1.03	864.46
14	14.18	0.00	0.00	0.00	3.17	2693.96	14	0.00	0.00	0.00	0.00	0.25	207.99	14	0.00	0.00	0.00	0.00	1.02	863.44
15	20.46	0.00	0.00	0.00	3.19	2711.23	15	0.00	0.00	0.00	0.00	0.25	207.74	15	0.00	0.00	0.00	0.00	1.02	862.42
16	24.44	0.00	0.00	0.00	3.21	2732.46	16	0.00	0.00	0.00	0.00	0.25	207.49	16	0.00	0.00	0.00	0.00	1.02	861.40
17	35.68	0.00	0.00	0.00	3.24	2764.90	17	0.00	0.00	0.00	0.00	0.25	207.24	17	0.00	0.00	0.00	0.00	1.02	860.38
18	34.53	0.00	0.00	0.00	3.28	2796.15	18	0.00	0.00	0.00	0.00	0.25	206.99	18	0.00	0.00	0.00	0.00	1.02	859.36
19	15.07	0.00	0.00	0.00	3.32	2807.90	19	0.00	0.00	0.00	0.00	0.25	206.74	19	0.00	0.00	0.00	0.00	1.02	858.34
20	14.54	0.00	0.00	0.00	3.34	2819.10	20	0.00	0.00	0.00	0.00	0.25	206.49	20	0.00	0.00	0.00	0.00	1.02	857.32
21	14.22	0.00	0.00	0.00	3.34	2829.98	21	0.00	0.00	0.00	0.00	0.25	206.24	21	0.00	0.00	0.00	0.00	1.01	856.31
22	13.82	0.00	0.00	0.00	3.36	2840.44	22	0.00	0.00	0.00	0.00	0.25	205.99	22	0.00	0.00	0.00	0.00	1.01	855.30
23	12.96	0.00	0.00	0.00	3.39	2850.01	23	0.00	0.00	0.00	0.00	0.25	205.74	23	0.00	0.00	0.00	0.00	1.02	854.28
24	12.09	0.00	0.00	0.00	3.41	2858.69	24	0.00	0.00	0.00	0.00	0.25	205.49	24	0.00	0.00	0.00	0.00	1.02	853.26
25	12.29	0.00	0.00	0.00	1.64	2869.34	25	0.00	0.00	0.00	0.00	0.12	205.37	25	0.00	0.00	0.00	0.00	0.49	852.77
26	10.37	0.00	0.00	0.00	7.22	2872.49	26	0.00	0.00	0.00	0.00	0.52	204.85	26	0.00	0.00	0.00	0.00	2.15	850.62
27	9.57	0.00	0.00	0.00	1.78	2880.28	27	0.00	0.00	0.00	0.00	0.12	204.73	27	0.00	0.00	0.00	0.00	0.53	850.09
28	9.49	0.00	0.00	0.00	4.74	2885.03	28	0.00	0.00	0.00	0.00	0.34	204.39	28	0.00	0.00	0.00	0.00	1.40	848.69
29	9.52	0.00	0.00	0.00	5.78	2888.77	29	0.00	0.00	0.00	0.00	0.41	203.98	29	0.00	0.00	0.00	0.00	1.70	846.99
30	8.84	0.00	0.00	0.00	5.80	2891.81	30	0.00	0.00	0.00	0.00	0.41	203.57	30	0.00	0.00	0.00	0.00	1.70	845.29
	407.14	690.10	690.10	0.00	103.77			0.00	0.00	0.00	0.00	7.95			0.00	690.10	0.00	0.00	24.36	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2091.19							1200.12							500.00
1	0.00	0.00	0.00	0.00	2.50	2088.69	1	0.00	0.00	0.00	0.00	1.43	1198.69	1	0.00	0.00	0.00	0.00	0.60	499.40
2	11.94	0.00	0.00	0.00	2.49	2098.14	2	11.94	0.00	0.00	0.00	1.43	1209.20	2	0.00	0.00	0.00	0.00	0.59	498.81
3	10.42	0.00	0.00	0.00	2.50	2106.06	3	10.42	0.00	0.00	0.00	1.44	1218.18	3	0.00	0.00	0.00	0.00	0.59	498.22
4	7.81	0.00	0.00	0.00	2.50	2111.37	4	7.81	0.00	0.00	0.00	1.45	1224.54	4	0.00	0.00	0.00	0.00	0.59	497.63
5	10.64	0.00	0.00	0.00	2.50	2119.51	5	10.64	0.00	0.00	0.00	1.45	1233.73	5	0.00	0.00	0.00	0.00	0.59	497.04
6	12.39	0.00	0.00	0.00	2.51	2129.39	6	12.39	0.00	0.00	0.00	1.46	1244.66	6	0.00	0.00	0.00	0.00	0.59	496.45
7	12.50	0.00	0.00	0.00	2.53	2139.36	7	12.50	0.00	0.00	0.00	1.48	1255.68	7	0.00	0.00	0.00	0.00	0.59	495.86
8	12.28	0.00	0.00	0.00	2.54	2149.10	8	12.28	0.00	0.00	0.00	1.49	1266.47	8	0.00	0.00	0.00	0.00	0.59	495.27
9	11.61	0.00	0.00	0.00	2.55	2158.16	9	11.61	0.00	0.00	0.00	1.50	1276.58	9	0.00	0.00	0.00	0.00	0.59	494.68
10	12.06	690.10	690.10	0.00	2.56	2167.66	10	12.06	0.00	690.10	0.00	1.51	597.03	10	0.00	0.00	0.00	0.00	0.59	494.09
11	12.50	0.00	0.00	0.00	2.58	2177.58	11	12.50	0.00	0.00	0.00	0.71	608.82	11	0.00	0.00	0.00	0.00	0.59	493.50
12	11.16	0.00	0.00	0.00	2.59	2186.15	12	11.16	0.00	0.00	0.00	0.72	619.26	12	0.00	0.00	0.00	0.00	0.59	492.91
13	9.76	0.00	0.00	0.00	2.59	2193.32	13	9.76	0.00	0.00	0.00	0.73	628.29	13	0.00	0.00	0.00	0.00	0.58	492.33
14	14.18	0.00	0.00	0.00	2.59	2204.91	14	14.18	0.00	0.00	0.00	0.74	641.73	14	0.00	0.00	0.00	0.00	0.58	491.75
15	20.46	0.00	0.00	0.00	2.61	2222.76	15	20.46	0.00	0.00	0.00	0.76	661.43	15	0.00	0.00	0.00	0.00	0.58	491.17
16	24.44	0.00	0.00	0.00	2.63	2244.57	16	24.44	0.00	0.00	0.00	0.78	685.09	16	0.00	0.00	0.00	0.00	0.58	490.59
17	35.68	0.00	0.00	0.00	2.66	2277.59	17	35.68	0.00	0.00	0.00	0.81	719.96	17	0.00	0.00	0.00	0.00	0.58	490.01
18	34.53	0.00	0.00	0.00	2.70	2309.42	18	34.53	0.00	0.00	0.00	0.85	753.64	18	0.00	0.00	0.00	0.00	0.58	489.43
19	15.07	0.00	0.00	0.00	2.74	2321.75	19	15.07	0.00	0.00	0.00	0.89	767.82	19	0.00	0.00	0.00	0.00	0.58	488.85
20	14.54	0.00	0.00	0.00	2.76	2333.53	20	14.54	0.00	0.00	0.00	0.91	781.45	20	0.00	0.00	0.00	0.00	0.58	488.27
21	14.22	0.00	0.00	0.00	2.76	2344.99	21	14.22	0.00	0.00	0.00	0.92	794.75	21	0.00	0.00	0.00	0.00	0.58	487.69
22	13.82	0.00	0.00	0.00	2.78	2356.03	22	13.82	0.00	0.00	0.00	0.94	807.63	22	0.00	0.00	0.00	0.00	0.58	487.11
23	12.96	0.00	0.00	0.00	2.81	2366.18	23	12.96	0.00	0.00	0.00	0.96	819.63	23	0.00	0.00	0.00	0.00	0.58	486.53
24	12.09	0.00	0.00	0.00	2.83	2375.44	24	12.09	0.00	0.00	0.00	0.98	830.74	24	0.00	0.00	0.00	0.00	0.58	485.95
25	12.29	0.00	0.00	0.00	1.37	2386.36	25	12.29	0.00	0.00	0.00	0.48	842.55	25	0.00	0.00	0.00	0.00	0.28	485.67
26	10.37	0.00	0.00	0.00	6.01	2390.72	26	10.37	0.00	0.00	0.00	2.12	850.80	26	0.00	0.00	0.00	0.00	1.22	484.45
27	9.57	0.00	0.00	0.00	1.48	2398.81	27	9.57	0.00	0.00	0.00	0.53	859.84	27	0.00	0.00	0.00	0.00		

Offset Account

May 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2891.81							203.57							845.29
1	8.88	0.00	0.00	0.00	5.95	2894.74	1	0.00	0.00	0.00	0.00	0.42	203.15	1	0.00	0.00	0.00	0.00	1.74	843.55
2	12.25	0.00	0.00	0.00	1.68	2905.31	2	0.00	0.00	0.00	0.00	0.12	203.03	2	0.00	0.00	0.00	0.00	0.49	843.06
3	11.79	0.00	0.00	0.00	4.58	2912.52	3	0.00	0.00	0.00	0.00	0.32	202.71	3	0.00	0.00	0.00	0.00	1.33	841.73
4	17.51	0.00	0.00	0.00	2.63	2927.40	4	0.00	0.00	0.00	0.00	0.18	202.53	4	0.00	0.00	0.00	0.00	0.76	840.97
5	16.48	0.00	0.00	0.00	0.93	2942.95	5	0.00	0.00	0.00	0.00	0.06	202.47	5	0.00	0.00	0.00	0.00	0.27	840.70
6	18.38	0.00	0.00	0.00	6.34	2954.99	6	0.00	0.00	0.00	0.00	0.44	202.03	6	0.00	0.00	0.00	0.00	1.81	838.89
7	24.13	0.00	0.00	0.00	6.39	2972.73	7	0.00	0.00	0.00	0.00	0.44	201.59	7	0.00	0.00	0.00	0.00	1.81	837.08
8	22.76	0.00	0.00	0.00	6.32	2989.17	8	0.00	0.00	0.00	0.00	0.43	201.16	8	0.00	0.00	0.00	0.00	1.78	835.30
9	21.18	0.00	0.00	0.00	7.92	3002.43	9	0.00	0.00	0.00	0.00	0.53	200.63	9	0.00	0.00	0.00	0.00	2.21	833.09
10	17.87	0.00	0.00	0.00	6.20	3014.10	10	0.00	0.00	0.00	0.00	0.42	200.21	10	0.00	0.00	0.00	0.00	1.72	831.37
11	16.36	0.00	0.00	0.00	10.89	3019.57	11	0.00	0.00	0.00	0.00	0.73	199.48	11	0.00	0.00	0.00	0.00	3.00	828.37
12	13.91	0.00	0.00	0.00	11.04	3022.44	12	0.00	0.00	0.00	0.00	0.73	198.75	12	0.00	0.00	0.00	0.00	3.03	825.34
13	10.48	0.00	0.00	0.00	6.05	3026.87	13	0.00	0.00	0.00	0.00	0.40	198.35	13	0.00	0.00	0.00	0.00	1.65	823.69
14	18.04	0.00	0.00	0.00	6.14	3038.77	14	0.00	0.00	0.00	0.00	0.40	197.95	14	0.00	0.00	0.00	0.00	1.67	822.02
15	23.67	0.00	0.00	0.00	6.22	3056.22	15	0.00	0.00	0.00	0.00	0.41	197.54	15	0.00	0.00	0.00	0.00	1.68	820.34
16	15.20	0.00	0.00	0.00	6.78	3064.64	16	0.00	0.00	0.00	0.00	0.44	197.10	16	0.00	0.00	0.00	0.00	1.82	818.52
17	10.47	0.00	0.00	0.00	8.94	3066.17	17	0.00	0.00	0.00	0.00	0.57	196.53	17	0.00	0.00	0.00	0.00	2.39	816.13
18	10.44	0.00	0.00	0.00	4.97	3071.64	18	0.00	0.00	0.00	0.00	0.32	196.21	18	0.00	0.00	0.00	0.00	1.32	814.81
19	10.56	0.00	0.00	0.00	8.93	3073.27	19	0.00	0.00	0.00	0.00	0.57	195.64	19	0.00	0.00	0.00	0.00	2.37	812.44
20	10.45	0.00	0.00	0.00	3.93	3079.79	20	0.00	0.00	0.00	0.00	0.25	195.39	20	0.00	0.00	0.00	0.00	1.04	811.40
21	10.48	0.00	0.00	0.00	3.99	3086.28	21	0.00	0.00	0.00	0.00	0.26	195.13	21	0.00	0.00	0.00	0.00	1.05	810.35
22	10.49	2809.28	0.00	0.00	4.00	5902.05	22	0.00	0.00	0.00	0.00	0.26	194.87	22	0.00	0.00	0.00	0.00	1.05	809.30
23	10.49	0.00	0.00	0.00	9.98	5902.56	23	0.00	0.00	0.00	0.00	0.33	194.54	23	0.00	0.00	0.00	0.00	1.37	807.93
24	16.92	0.00	0.00	0.00	10.01	5909.47	24	0.00	0.00	0.00	0.00	0.33	194.21	24	0.00	0.00	0.00	0.00	1.37	806.56
25	11.54	0.00	0.00	0.00	8.13	5912.88	25	0.00	0.00	0.00	0.00	0.27	193.94	25	0.00	0.00	0.00	0.00	1.11	805.45
26	12.33	0.00	0.00	0.00	12.46	5912.75	26	0.00	0.00	0.00	0.00	0.41	193.53	26	0.00	0.00	0.00	0.00	1.70	803.75
27	12.40	0.00	0.00	0.00	9.46	5915.69	27	0.00	0.00	0.00	0.00	0.31	193.22	27	0.00	0.00	0.00	0.00	1.29	802.46
28	16.99	0.00	0.00	0.00	9.50	5923.18	28	0.00	0.00	0.00	0.00	0.31	192.91	28	0.00	0.00	0.00	0.00	1.29	801.17
29	15.13	0.00	0.00	0.00	9.55	5928.76	29	0.00	0.00	0.00	0.00	0.31	192.60	29	0.00	0.00	0.00	0.00	1.29	799.88
30	11.18	0.00	0.00	0.00	9.25	5930.69	30	0.00	0.00	0.00	0.00	0.30	192.30	30	0.00	0.00	0.00	0.00	1.25	798.63
31	10.60	1251.72	0.00	86.78	10.95	7095.28	31	0.00	0.00	0.00	0.00	0.36	191.94	31	0.00	0.00	0.00	86.78	1.47	710.38
	449.36	4061.00	0.00	86.78	220.11			0.00	0.00	0.00	0.00	11.63		0.00	0.00	0.00	86.78	48.13		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2413.05							882.78							481.41
1	8.88	0.00	0.00	0.00	4.97	2416.96	1	8.88	0.00	0.00	0.00	1.82	889.84	1	0.00	0.00	0.00	0.00	0.99	480.42
2	12.25	0.00	0.00	0.00	1.41	2427.80	2	12.25	0.00	0.00	0.00	0.52	901.57	2	0.00	0.00	0.00	0.00	0.28	480.14
3	11.79	0.00	0.00	0.00	3.83	2435.76	3	11.79	0.00	0.00	0.00	1.42	911.94	3	0.00	0.00	0.00	0.00	0.76	479.38
4	17.51	0.00	0.00	0.00	2.20	2451.07	4	17.51	0.00	0.00	0.00	0.83	928.62	4	0.00	0.00	0.00	0.00	0.43	478.95
5	16.48	0.00	0.00	0.00	0.78	2466.77	5	16.48	0.00	0.00	0.00	0.30	944.80	5	0.00	0.00	0.00	0.00	0.15	478.80
6	18.38	0.00	0.00	0.00	5.31	2479.84	6	18.38	0.00	0.00	0.00	2.03	961.15	6	0.00	0.00	0.00	0.00	1.03	477.77
7	24.13	0.00	0.00	0.00	5.36	2498.61	7	24.13	0.00	0.00	0.00	2.08	983.20	7	0.00	0.00	0.00	0.00	1.03	476.74
8	22.76	0.00	0.00	0.00	5.31	2516.06	8	22.76	0.00	0.00	0.00	2.09	1003.87	8	0.00	0.00	0.00	0.00	1.01	475.73
9	21.18	0.00	0.00	0.00	6.66	2530.58	9	21.18	0.00	0.00	0.00	2.66	1022.39	9	0.00	0.00	0.00	0.00	1.26	474.47
10	17.87	0.00	0.00	0.00	5.23	2543.22	10	17.87	0.00	0.00	0.00	2.11	1038.15	10	0.00	0.00	0.00	0.00	0.98	473.49
11	16.36	0.00	0.00	0.00	9.19	2550.39	11	16.36	0.00	0.00	0.00	3.75	1050.76	11	0.00	0.00	0.00	0.00	1.71	471.78
12	13.91	0.00	0.00	0.00	9.32	2554.98	12	13.91	0.00	0.00	0.00	3.84	1060.83	12	0.00	0.00	0.00	0.00	1.72	470.06
13	10.48	0.00	0.00	0.00	5.11	2560.35	13	10.48	0.00	0.00	0.00	2.12	1069.19	13	0.00	0.00	0.00	0.00	0.94	469.12
14	18.04	0.00	0.00	0.00	5.19	2573.20	14	18.04	0.00	0.00	0.00	2.17	1085.06	14	0.00	0.00	0.00	0.00	0.95	468.17
15	23.67	0.00	0.00	0.00	5.27	2591.60	15	23.67	0.00	0.00	0.00	2.22	1106.51	15	0.00	0.00	0.00	0.00	0.96	467.21
16	15.20	0.00	0.00	0.00	5.75	2601.05	16	15.20	0.00	0.00	0.00	2.45	1119.26	16	0.00	0.00	0.00	0.00	1.04	466.17
17	10.47	0.00	0.00	0.00	7.59	2603.93	17	10.47	0.00	0.00	0.00	3.27	1126.46	17	0.00	0.00	0.00	0.00	1.36	464.81
18	10.44	0.00	0.00	0.00	4.22	2610.15	18	10.44	0.00	0.00	0.00	1.83	1135.07	18	0.00	0.00	0.00	0.00	0.75	464.06
19	10.56	0.00	0.00	0.00	7.59	2613.12	19	10.56	0.00	0.00	0.00	3.30	1142.33	19	0.00	0.00	0.00	0.00	1.35	462.71
20	10.45	0.00	0.00	0.00	3.34	2620.23	20	10.45	0.00	0.00	0.00	1.46	1151.32	20	0.00	0.00	0.00	0.00	0.59	462.12
21	10.48	0.00	0.00	0.00	3.40	2627.31	21	10.48	0.00	0.00	0.00	1.49	1160.31	21	0.00	0.00	0.00	0.00	0.60	461.52
22	10.49	1831.21	0.00	0.00	3.41	4465.60	22	10.49	1831.21	0.00	0.00	1.50	3000.51	22	0.00	0.00	0.00	0.00	0.60	460.92
23	10.49	0.00	0.00	0.00	7.55	4468.54	23	10.49	0.00	0.00	0.00	5.07	3005.93	23	0.00	0.00	0.00	0.00	0.78	460.14
24	16.92	0.00	0.00	0.00	7.58	4477.88	24	16.92	0.00	0.00	0.00	5.10	3017.75	24	0.00	0.00	0.00	0.00	0.78	459.36
25	11.54	0.00	0.00	0.00	6.16	4483.26	25	11.54	0.00	0.00	0.00	4.15	3025.14	25	0.00	0.00	0.00	0.00	0.63	458.73
26	12.33	0.00	0.00	0.00	9.45	4486.14	26	12.33	0.00	0.00	0.00	6.37	3031.10	26	0.00	0.00	0.00	0.00	0.97	457.76
27	12.40	0.00	0.00	0.00	7.18	4491.36	27	12.40	0.00	0.00	0.00	4.85	3038.65	27	0.00	0.00	0.00	0.00	0.73	457.03
28	16.99	0																		

Offset Account

June 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
7095.28							191.94							710.38						
1	218.40	0.00	0.00	138.85	7.98	7166.85	1	0.00	0.00	0.00	0.00	0.21	191.73	1	0.00	0.00	0.00	138.85	0.80	570.73
2	51.75	0.00	0.00	138.85	7.60	7072.15	2	0.00	0.00	0.00	0.00	0.20	191.53	2	0.00	0.00	0.00	138.85	0.61	431.27
3	10.05	0.00	0.00	138.85	13.98	6929.37	3	0.00	0.00	0.00	0.00	0.38	191.15	3	0.00	0.00	0.00	138.85	0.85	291.57
4	10.00	0.00	0.00	138.85	13.86	6786.66	4	0.00	0.00	0.00	0.00	0.38	190.77	4	0.00	0.00	0.00	138.85	0.58	152.14
5	9.91	0.00	0.00	138.85	13.75	6643.97	5	0.00	0.00	0.00	0.00	0.39	190.38	5	0.00	0.00	0.00	138.85	0.31	12.98
6	12.71	0.00	0.00	138.85	15.22	6502.61	6	0.00	0.00	0.00	0.00	0.44	189.94	6	0.00	0.00	0.00	12.95	0.03	0.00
7	16.11	0.00	0.00	138.85	15.00	6364.87	7	0.00	0.00	0.00	0.00	0.44	189.50	7	0.00	0.00	0.00	0.00	0.00	0.00
8	33.65	0.00	0.00	138.85	14.48	6245.19	8	0.00	0.00	0.00	0.00	0.43	189.07	8	0.00	0.00	0.00	0.00	0.00	0.00
9	51.54	0.00	0.00	98.35	8.63	6189.75	9	0.00	0.00	0.00	0.00	0.27	188.80	9	0.00	0.00	0.00	0.00	0.00	0.00
10	30.87	0.00	0.00	0.00	14.44	6206.18	10	0.00	0.00	0.00	0.00	0.44	188.36	10	0.00	0.00	0.00	0.00	0.00	0.00
11	26.95	0.00	0.00	0.00	14.48	6218.65	11	0.00	0.00	0.00	0.00	0.44	187.92	11	0.00	0.00	0.00	0.00	0.00	0.00
12	38.91	0.00	0.00	0.00	14.51	6243.05	12	0.00	0.00	0.00	0.00	0.44	187.48	12	0.00	0.00	0.00	0.00	0.00	0.00
13	21.72	0.00	0.00	0.00	35.94	6228.83	13	0.00	0.00	0.00	0.00	1.08	186.40	13	0.00	0.00	0.00	0.00	0.00	0.00
14	17.90	0.00	0.00	0.00	17.35	6229.38	14	0.00	0.00	0.00	0.00	0.52	185.88	14	0.00	0.00	0.00	0.00	0.00	0.00
15	13.62	0.00	0.00	0.00	11.72	6231.28	15	0.00	0.00	0.00	0.00	0.35	185.53	15	0.00	0.00	0.00	0.00	0.00	0.00
16	11.39	0.00	0.00	0.00	24.00	6218.67	16	0.00	0.00	0.00	0.00	0.72	184.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	11.23	0.00	0.00	86.78	14.98	6128.14	17	0.00	0.00	0.00	0.00	0.45	184.36	17	0.00	0.00	0.00	0.00	0.00	0.00
18	11.08	0.00	0.00	138.85	14.91	5985.46	18	0.00	0.00	0.00	0.00	0.45	183.91	18	0.00	0.00	0.00	0.00	0.00	0.00
19	10.71	0.00	0.00	138.85	14.73	5842.59	19	0.00	0.00	0.00	0.00	0.45	183.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	10.52	0.00	0.00	138.85	14.56	5699.70	20	0.00	0.00	0.00	0.00	0.46	183.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	32.95	0.00	0.00	138.85	14.41	5579.39	21	0.00	0.00	0.00	0.00	0.46	182.54	21	0.00	0.00	0.00	0.00	0.00	0.00
22	25.35	0.00	0.00	138.85	1.08	5464.81	22	0.00	0.00	0.00	0.00	0.03	182.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	10.62	0.00	0.00	138.85	23.21	5313.37	23	0.00	0.00	0.00	0.00	0.78	181.73	23	0.00	0.00	0.00	0.00	0.00	0.00
24	10.60	0.00	0.00	138.85	16.39	5168.73	24	0.00	0.00	0.00	0.00	0.56	181.17	24	0.00	0.00	0.00	0.00	0.00	0.00
25	9.78	0.00	0.00	138.85	15.99	5023.67	25	0.00	0.00	0.00	0.00	0.56	180.61	25	0.00	0.00	0.00	0.00	0.00	0.00
26	9.78	0.00	0.00	138.85	15.62	4878.98	26	0.00	0.00	0.00	0.00	0.56	180.05	26	0.00	0.00	0.00	0.00	0.00	0.00
27	9.78	0.00	0.00	138.85	22.49	4727.42	27	0.00	0.00	0.00	0.00	0.83	179.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	9.78	0.00	0.00	138.85	12.12	4586.23	28	0.00	0.00	0.00	0.00	0.46	178.76	28	0.00	0.00	0.00	0.00	0.00	0.00
29	9.78	0.00	0.00	138.85	15.85	4441.31	29	0.00	0.00	0.00	0.00	0.61	178.15	29	0.00	0.00	0.00	0.00	0.00	0.00
30	9.78	1372.22	1372.22	138.85	20.04	4292.20	30	0.00	0.00	0.00	0.00	0.81	177.34	30	0.00	1372.22	0.00	0.00	0.00	1372.22
757.22 1372.22 1372.22 3100.98 459.32							0.00 0.00 0.00 0.00 14.60							0.00 1372.22 0.00 707.20 3.18						
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
5201.76							3845.43							454.01						
1	218.40	0.00	0.00	138.85	5.85	5275.46	1	218.40	0.00	0.00	0.00	4.33	4059.50	1	0.00	0.00	0.00	0.00	0.51	453.50
2	51.75	0.00	0.00	138.85	5.60	5182.76	2	51.75	0.00	0.00	0.00	4.31	4106.94	2	0.00	0.00	0.00	0.00	0.48	453.02
3	10.05	0.00	0.00	138.85	10.25	5043.71	3	10.05	0.00	0.00	0.00	8.12	4108.87	3	0.00	0.00	0.00	0.00	0.90	452.12
4	10.00	0.00	0.00	138.85	10.08	4904.78	4	10.00	0.00	0.00	0.00	8.22	4110.65	4	0.00	0.00	0.00	0.00	0.90	451.22
5	9.91	0.00	0.00	138.85	9.94	4765.90	5	9.91	0.00	0.00	0.00	8.33	4112.23	5	0.00	0.00	0.00	0.00	0.91	450.31
6	12.71	0.00	0.00	138.85	10.92	4628.84	6	12.71	0.00	0.00	125.90	9.42	3989.62	6	0.00	0.00	0.00	0.00	1.03	449.28
7	16.11	0.00	0.00	138.85	10.68	4495.42	7	16.11	0.00	0.00	138.85	9.20	3857.68	7	0.00	0.00	0.00	0.00	1.04	448.24
8	33.65	0.00	0.00	138.85	10.23	4379.99	8	33.65	0.00	0.00	138.85	8.78	3743.70	8	0.00	0.00	0.00	0.00	1.02	447.22
9	51.54	0.00	0.00	98.35	6.06	4327.12	9	51.54	0.00	0.00	98.35	5.17	3691.72	9	0.00	0.00	0.00	0.00	0.62	446.60
10	30.87	0.00	0.00	0.00	10.09	4347.90	10	30.87	0.00	0.00	0.00	8.61	3713.98	10	0.00	0.00	0.00	0.00	1.04	445.56
11	26.95	0.00	0.00	0.00	10.14	4364.71	11	26.95	0.00	0.00	0.00	8.66	3732.27	11	0.00	0.00	0.00	0.00	1.04	444.52
12	38.91	0.00	0.00	0.00	10.19	4393.43	12	38.91	0.00	0.00	0.00	8.71	3762.47	12	0.00	0.00	0.00	0.00	1.04	443.48
13	21.72	0.00	0.00	0.00	25.29	4389.86	13	21.72	0.00	0.00	0.00	21.66	3762.53	13	0.00	0.00	0.00	0.00	2.55	440.93
14	17.90	0.00	0.00	0.00	12.23	4395.53	14	17.90	0.00	0.00	0.00	10.48	3769.95	14	0.00	0.00	0.00	0.00	1.23	439.70
15	13.62	0.00	0.00	0.00	8.27	4400.88	15	13.62	0.00	0.00	0.00	7.09	3776.48	15	0.00	0.00	0.00	0.00	0.83	438.87
16	11.39	0.00	0.00	0.00	16.95	4395.32	16	11.39	0.00	0.00	0.00	14.54	3773.33	16	0.00	0.00	0.00	0.00	1.69	437.18
17	11.23	0.00	0.00	86.78	10.59	4309.18	17	11.23	0.00	0.00	86.78	9.09	3688.69	17	0.00	0.00	0.00	0.00	1.05	436.13
18	11.08	0.00	0.00	138.85	10.49	4170.92	18	11.08	0.00	0.00	138.85	8.98	3551.94	18	0.00	0.00	0.00	0.00	1.06	435.07
19	10.71	0.00	0.00	138.85	10.26	4032.52	19	10.71	0.00	0.00	138.85	8.74	3415.06	19	0.00	0.00	0.00	0.00	1.07	434.00
20	10.52	0.00	0.00	138.85	10.05	3894.14	20	10.52	0.00	0.00	138.85	8.51	3278.22	20	0.00	0.00	0.00	0.00	1.08	432.92
21	32.95	0.00	0.00	138.85	9.84	3778.40	21	32.95	0.00	0.00	138.85	8.29	3164.03	21	0.00	0.00	0.00	0.00	1.09	431.83
22	25.35	0.00	0.00	138.85	0.73	3664.17	22	25.35	0.00	0.00	138.85	0.62	3049.91	22	0.00	0.00	0.00	0.00	0.08	431.75
23	10.62	0.00	0.00	138.85	15.56	3520.38	23	10.62	0.00	0.00	138.85	12.95	2908.73	23	0.00	0.00	0.00	0.00	1.83	429.92
24	10.60	0.00	0.00	138.85	10.86	3381.27	24	10.60	0.00	0.00	138.85	8.97	2771.51	24	0.00	0.00	0.00	0.00	1.33	428.59
25	9.78	0.00	0.00	138.85	10.46	3241.74	25	9.78	0.00	0.00	138.85	8.57	2633.87	25	0.00	0.00	0.00	0.00	1.33	427.26
26	9.78	0.00	0.00	138.85	10.08	3102.59	26	9.78	0.00	0.00	138.85	8.19	2496.61	26	0.00	0.00	0.00	0.00	1.33	425.93
27	9.78	0.00	0.00	138.85	14.30	2959.22	27	9.78	0.00	0.00	138.85	11.51	2356.03	27	0.00	0.00	0.00	0.00	1.96	423.97
28	9.78	0.00	0.00	138.85	7.59	2822.56	28	9.78	0.00	0.00	138.85	6.04	2220.92	28	0.00	0.00	0.00	0.00	1.09	422.88
29	9.78	0.00	0.00	138.85	9.75	2683.74	29	9.78	0.00	0.00	138.85	7.68	2084.17							

Offset Account

June 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1893.52							164.02							4.21
1	0.00	0.00	0.00	0.00	2.13	1891.39	1	0.00	0.00	0.00	0.00	0.18	163.84	1	0.00	0.00	0.00	0.00	0.00	4.21
2	0.00	0.00	0.00	0.00	2.00	1889.39	2	0.00	0.00	0.00	0.00	0.17	163.67	2	0.00	0.00	0.00	0.00	0.00	4.21
3	0.00	0.00	0.00	0.00	3.73	1885.66	3	0.00	0.00	0.00	0.00	0.32	163.35	3	0.00	0.00	0.00	0.00	0.00	4.20
4	0.00	0.00	0.00	0.00	3.78	1881.88	4	0.00	0.00	0.00	0.00	0.33	163.02	4	0.00	0.00	0.00	0.00	0.01	4.19
5	0.00	0.00	0.00	0.00	3.81	1878.07	5	0.00	0.00	0.00	0.00	0.33	162.69	5	0.00	0.00	0.00	0.00	0.01	4.18
6	0.00	0.00	0.00	0.00	4.30	1873.77	6	0.00	0.00	0.00	0.00	0.37	162.32	6	0.00	0.00	0.00	0.00	0.01	4.17
7	0.00	0.00	0.00	0.00	4.32	1869.45	7	0.00	0.00	0.00	0.00	0.37	161.95	7	0.00	0.00	0.00	0.00	0.01	4.16
8	0.00	0.00	0.00	0.00	4.25	1865.20	8	0.00	0.00	0.00	0.00	0.37	161.58	8	0.00	0.00	0.00	0.00	0.01	4.15
9	0.00	0.00	0.00	0.00	2.57	1862.63	9	0.00	0.00	0.00	0.00	0.22	161.36	9	0.00	0.00	0.00	0.00	0.01	4.14
10	0.00	0.00	0.00	0.00	4.35	1858.28	10	0.00	0.00	0.00	0.00	0.38	160.98	10	0.00	0.00	0.00	0.00	0.01	4.13
11	0.00	0.00	0.00	0.00	4.34	1853.94	11	0.00	0.00	0.00	0.00	0.38	160.60	11	0.00	0.00	0.00	0.00	0.01	4.12
12	0.00	0.00	0.00	0.00	4.32	1849.62	12	0.00	0.00	0.00	0.00	0.37	160.23	12	0.00	0.00	0.00	0.00	0.01	4.11
13	0.00	0.00	0.00	0.00	10.65	1838.97	13	0.00	0.00	0.00	0.00	0.92	159.31	13	0.00	0.00	0.00	0.00	0.02	4.09
14	0.00	0.00	0.00	0.00	5.12	1833.85	14	0.00	0.00	0.00	0.00	0.44	158.87	14	0.00	0.00	0.00	0.00	0.01	4.08
15	0.00	0.00	0.00	0.00	3.45	1830.40	15	0.00	0.00	0.00	0.00	0.30	158.57	15	0.00	0.00	0.00	0.00	0.01	4.07
16	0.00	0.00	0.00	0.00	7.05	1823.35	16	0.00	0.00	0.00	0.00	0.61	157.96	16	0.00	0.00	0.00	0.00	0.02	4.05
17	0.00	0.00	0.00	0.00	4.39	1818.96	17	0.00	0.00	0.00	0.00	0.38	157.58	17	0.00	0.00	0.00	0.00	0.01	4.04
18	0.00	0.00	0.00	0.00	4.42	1814.54	18	0.00	0.00	0.00	0.00	0.38	157.20	18	0.00	0.00	0.00	0.00	0.01	4.03
19	0.00	0.00	0.00	0.00	4.47	1810.07	19	0.00	0.00	0.00	0.00	0.39	156.81	19	0.00	0.00	0.00	0.00	0.01	4.02
20	0.00	0.00	0.00	0.00	4.51	1805.56	20	0.00	0.00	0.00	0.00	0.39	156.42	20	0.00	0.00	0.00	0.00	0.01	4.01
21	0.00	0.00	0.00	0.00	4.57	1800.99	21	0.00	0.00	0.00	0.00	0.40	156.02	21	0.00	0.00	0.00	0.00	0.01	4.00
22	0.00	0.00	0.00	0.00	0.35	1800.64	22	0.00	0.00	0.00	0.00	0.03	155.99	22	0.00	0.00	0.00	0.00	0.00	4.00
23	0.00	0.00	0.00	0.00	7.65	1792.99	23	0.00	0.00	0.00	0.00	0.66	155.33	23	0.00	0.00	0.00	0.00	0.02	3.98
24	0.00	0.00	0.00	0.00	5.53	1787.46	24	0.00	0.00	0.00	0.00	0.48	154.85	24	0.00	0.00	0.00	0.00	0.01	3.97
25	0.00	0.00	0.00	0.00	5.53	1781.93	25	0.00	0.00	0.00	0.00	0.48	154.37	25	0.00	0.00	0.00	0.00	0.01	3.96
26	0.00	0.00	0.00	0.00	5.54	1776.39	26	0.00	0.00	0.00	0.00	0.48	153.89	26	0.00	0.00	0.00	0.00	0.01	3.95
27	0.00	0.00	0.00	0.00	8.19	1768.20	27	0.00	0.00	0.00	0.00	0.71	153.18	27	0.00	0.00	0.00	0.00	0.02	3.93
28	0.00	0.00	0.00	0.00	4.53	1763.67	28	0.00	0.00	0.00	0.00	0.39	152.79	28	0.00	0.00	0.00	0.00	0.01	3.92
29	0.00	0.00	0.00	0.00	6.10	1757.57	29	0.00	0.00	0.00	0.00	0.53	152.26	29	0.00	0.00	0.00	0.00	0.01	3.91
30	0.00	0.00	0.00	0.00	7.93	1749.64	30	0.00	0.00	0.00	0.00	0.69	151.57	30	0.00	0.00	0.00	0.00	0.02	3.89
	0.00	0.00	0.00	0.00	143.88			0.00	0.00	0.00	0.00	12.45			0.00	0.00	0.00	0.00	0.32	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1729.50							187.73							0.00
1	0.00	0.00	0.00	0.00	1.95	1727.55	1	0.00	0.00	0.00	0.00	0.21	187.52	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.83	1725.72	2	0.00	0.00	0.00	0.00	0.20	187.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.41	1722.31	3	0.00	0.00	0.00	0.00	0.37	186.95	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	3.45	1718.86	4	0.00	0.00	0.00	0.00	0.37	186.58	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	3.48	1715.38	5	0.00	0.00	0.00	0.00	0.38	186.20	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	3.93	1711.45	6	0.00	0.00	0.00	0.00	0.43	185.77	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.95	1707.50	7	0.00	0.00	0.00	0.00	0.43	185.34	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	3.88	1703.62	8	0.00	0.00	0.00	0.00	0.42	184.92	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	2.35	1701.27	9	0.00	0.00	0.00	0.00	0.26	184.66	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	3.97	1697.30	10	0.00	0.00	0.00	0.00	0.43	184.23	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	3.96	1693.34	11	0.00	0.00	0.00	0.00	0.43	183.80	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	3.95	1689.39	12	0.00	0.00	0.00	0.00	0.43	183.37	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	9.73	1679.66	13	0.00	0.00	0.00	0.00	1.06	182.31	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	4.68	1674.98	14	0.00	0.00	0.00	0.00	0.51	181.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	3.15	1671.83	15	0.00	0.00	0.00	0.00	0.34	181.46	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	6.44	1665.39	16	0.00	0.00	0.00	0.00	0.70	180.76	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	4.01	1661.38	17	0.00	0.00	0.00	0.00	0.44	180.32	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	4.04	1657.34	18	0.00	0.00	0.00	0.00	0.44	179.88	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	4.08	1653.26	19	0.00	0.00	0.00	0.00	0.44	179.44	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	4.12	1649.14	20	0.00	0.00	0.00	0.00	0.45	178.99	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.17	1644.97	21	0.00	0.00	0.00	0.00	0.45	178.54	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	1644.65	22	0.00	0.00	0.00	0.00	0.03	178.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	6.99	1637.66	23	0.00	0.00	0.00	0.00	0.76	177.75	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	5.05	1632.61	24	0.00	0.00	0.00	0.00	0.55	177.20	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.05	1627.56	25	0.00	0.00	0.00	0.00	0.55	176.65	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	5.06	1622.50	26	0.00	0.00	0.00	0.00	0.55	176.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	7.48	1615.02	27	0.00	0.00	0.00	0.00	0.81	175.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	4.14	1610.88	28	0.00	0.00	0.00	0.00	0.45	174.84	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	5.57	1605.31	29	0.00	0.00	0.00	0.00	0.60	174.24	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	7.24	1598.07	30	0.00												

Offset Account

July 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4292.20							177.34							1372.22
1	9.91	0.00	0.00	138.85	11.58	4151.68	1	0.00	0.00	0.00	0.00	0.48	176.86	1	0.00	0.00	0.00	138.85	3.70	1229.67
2	9.91	0.00	0.00	138.85	11.28	4011.46	2	0.00	0.00	0.00	0.00	0.48	176.38	2	0.00	0.00	0.00	138.85	3.34	1087.48
3	9.91	0.00	0.00	138.85	10.94	3871.58	3	0.00	0.00	0.00	0.00	0.48	175.90	3	0.00	0.00	0.00	138.85	2.97	945.66
4	46.28	0.00	0.00	138.85	10.60	3768.41	4	0.00	0.00	0.00	0.00	0.48	175.42	4	0.00	0.00	0.00	138.85	2.59	804.22
5	45.88	0.00	0.00	138.85	11.06	3664.38	5	0.00	0.00	0.00	0.00	0.51	174.91	5	0.00	0.00	0.00	138.85	2.36	663.01
6	53.43	0.00	0.00	138.85	4.63	3574.33	6	0.00	0.00	0.00	0.00	0.22	174.69	6	0.00	0.00	0.00	138.85	0.84	523.32
7	41.85	0.00	0.00	138.85	9.06	3468.27	7	0.00	0.00	0.00	0.00	0.44	174.25	7	0.00	0.00	0.00	138.85	1.33	383.14
8	33.48	0.00	0.00	138.85	12.94	3349.96	8	0.00	0.00	0.00	0.00	0.65	173.60	8	0.00	0.00	0.00	138.85	1.43	242.86
9	45.70	0.00	0.00	138.85	12.58	3244.23	9	0.00	0.00	0.00	0.00	0.65	172.95	9	0.00	0.00	0.00	138.85	0.91	103.10
10	63.83	0.89	0.89	138.85	12.02	3157.19	10	17.78	0.00	0.89	0.00	0.64	189.20	10	0.00	0.00	0.00	102.72	0.38	0.00
11	63.53	0.89	0.89	138.85	10.35	3071.52	11	17.78	0.00	0.89	0.00	0.62	205.47	11	0.00	0.00	0.00	0.00	0.00	0.00
12	48.42	0.89	0.89	138.85	11.41	2969.68	12	17.78	0.00	0.89	0.00	0.76	221.60	12	0.00	0.00	0.00	0.00	0.00	0.00
13	39.03	0.89	0.89	138.85	11.74	2858.12	13	17.78	0.00	0.89	0.00	0.87	237.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	34.47	0.89	0.89	138.85	9.93	2743.81	14	17.78	0.00	0.89	0.00	0.82	253.69	14	0.00	0.00	0.00	0.00	0.00	0.00
15	54.80	0.44	0.44	138.85	10.03	2649.73	15	8.89	0.00	0.44	0.00	0.93	261.21	15	0.00	0.00	0.00	0.00	0.00	0.00
16	45.79	0.00	0.00	138.85	9.73	2546.94	16	0.00	0.00	0.00	0.00	0.96	260.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	45.11	0.00	0.00	138.85	9.39	2443.81	17	0.00	0.00	0.00	0.00	0.96	259.29	17	0.00	0.00	0.00	0.00	0.00	0.00
18	34.31	0.00	0.00	138.85	9.39	2329.88	18	0.00	0.00	0.00	0.00	0.99	258.30	18	0.00	0.00	0.00	0.00	0.00	0.00
19	26.03	0.00	0.00	138.85	11.43	2205.63	19	0.00	0.00	0.00	0.00	1.27	257.03	19	0.00	0.00	0.00	0.00	0.00	0.00
20	22.30	0.00	0.00	138.85	4.63	2084.45	20	0.00	0.00	0.00	0.00	0.54	256.49	20	0.00	0.00	0.00	0.00	0.00	0.00
21	20.13	0.00	0.00	138.85	7.40	1958.33	21	0.00	0.00	0.00	0.00	0.91	255.58	21	0.00	0.00	0.00	0.00	0.00	0.00
22	23.93	0.00	0.00	138.85	8.80	1834.61	22	0.00	0.00	0.00	0.00	1.15	254.43	22	0.00	0.00	0.00	0.00	0.00	0.00
23	22.44	0.00	0.00	138.85	8.32	1709.88	23	0.00	0.00	0.00	0.00	1.16	253.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	20.98	0.00	0.00	138.85	7.83	1584.18	24	0.00	0.00	0.00	0.00	1.16	252.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.04	0.00	0.00	138.85	3.61	1458.76	25	0.00	0.00	0.00	0.00	0.57	251.54	25	0.00	0.00	0.00	0.00	0.00	0.00
26	22.88	0.00	0.00	138.85	3.33	1339.46	26	0.00	0.00	0.00	0.00	0.57	250.97	26	0.00	0.00	0.00	0.00	0.00	0.00
27	14.56	0.00	0.00	138.85	4.02	1211.15	27	0.00	0.00	0.00	0.00	0.75	250.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	14.08	0.00	0.00	138.85	3.89	1082.49	28	0.00	0.00	0.00	0.00	0.80	249.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	19.71	0.00	0.00	138.85	1.86	961.49	29	0.00	0.00	0.00	0.00	0.43	248.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	22.38	0.00	0.00	138.85	1.66	843.36	30	0.00	0.00	0.00	0.00	0.43	248.56	30	0.00	0.00	0.00	0.00	0.00	0.00
31	24.89	0.00	0.00	138.85	1.37	728.03	31	0.00	0.00	0.00	0.00	0.41	248.15	31	0.00	0.00	0.00	0.00	0.00	0.00
996.99	4.89	4.89	4304.35	256.81			97.79	0.00	4.89	0.00	22.09			0.00	0.00	0.00	1352.37	19.85		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	
						2542.56							573.48							419.52	
1	9.91	0.00	0.00	138.85	6.86	2406.76	1	9.91	0.00	0.00	0.00	1.55	581.84	1	0.00	0.00	0.00	0.00	1.13	418.39	
2	9.91	0.00	0.00	138.85	6.54	2271.28	2	9.91	0.00	0.00	0.00	1.58	590.17	2	0.00	0.00	0.00	0.00	1.14	417.25	
3	9.91	0.00	0.00	138.85	6.20	2136.14	3	9.91	0.00	0.00	0.00	1.61	598.47	3	0.00	0.00	0.00	0.00	1.14	416.11	
4	46.28	0.00	0.00	138.85	5.85	2037.72	4	46.28	0.00	0.00	0.00	1.64	643.11	4	0.00	0.00	0.00	0.00	1.14	414.97	
5	45.88	0.00	0.00	138.85	5.98	1938.77	5	45.88	0.00	0.00	0.00	1.89	687.10	5	0.00	0.00	0.00	0.00	1.22	413.75	
6	53.43	0.00	0.00	138.85	2.45	1850.90	6	53.43	0.00	0.00	0.00	0.87	739.66	6	0.00	0.00	0.00	0.00	0.52	413.23	
7	41.85	0.00	0.00	138.85	4.69	1749.21	7	41.85	0.00	0.00	0.00	1.87	779.64	7	0.00	0.00	0.00	0.00	1.05	412.18	
8	33.48	0.00	0.00	138.85	6.53	1637.31	8	33.48	0.00	0.00	0.00	2.91	810.21	8	0.00	0.00	0.00	0.00	1.54	410.64	
9	45.70	0.00	0.00	138.85	6.14	1538.02	9	45.70	0.00	0.00	0.00	3.04	852.87	9	0.00	0.00	0.00	0.00	1.54	409.10	
10	63.83	0.89	0.89	138.85	5.70	1457.30	10	46.05	0.89	0.00	36.13	3.16	860.52	10	0.00	0.00	0.00	0.00	1.52	407.58	
11	63.53	0.89	0.89	138.85	4.78	1377.20	11	45.75	0.89	0.00	138.85	2.82	765.49	11	0.00	0.00	0.00	0.00	1.34	406.24	
12	48.42	0.89	0.89	138.85	5.11	1281.66	12	30.64	0.89	0.00	138.85	2.84	655.33	12	0.00	0.00	0.00	0.00	1.51	404.73	
13	39.03	0.89	0.89	138.85	5.06	1176.78	13	21.25	0.89	0.00	138.85	2.59	536.03	13	0.00	0.00	0.00	0.00	1.60	403.13	
14	34.47	0.89	0.89	138.85	4.08	1068.32	14	16.69	0.89	0.00	138.85	1.86	412.90	14	0.00	0.00	0.00	0.00	1.40	401.73	
15	54.80	0.44	0.44	138.85	3.91	980.36	15	45.91	0.44	0.00	138.85	1.51	318.89	15	0.00	0.00	0.00	0.00	1.47	400.26	
16	45.79	0.00	0.00	138.85	3.60	883.70	16	45.79	0.00	0.00	138.85	1.17	224.66	16	0.00	0.00	0.00	0.00	1.47	398.79	
17	45.11	0.00	0.00	138.85	3.26	786.70	17	45.11	0.00	0.00	138.85	0.83	130.09	17	0.00	0.00	0.00	0.00	1.47	397.32	
18	34.31	0.00	0.00	138.85	3.02	679.14	18	34.31	0.00	0.00	138.85	0.50	25.05	18	0.00	0.00	0.00	0.00	1.53	395.79	
19	26.03	0.00	0.00	138.85	3.33	562.99	19	26.03	0.00	0.00	50.96	0.12	0.00	19	0.00	0.00	0.00	0.00	87.89	1.94	305.96
20	22.30	0.00	0.00	138.85	1.18	445.26	20	22.30	0.00	0.00	22.30	0.00	0.00	20	0.00	0.00	0.00	116.55	0.64	188.77	
21	20.13	0.00	0.00	138.85	1.58	324.96	21	20.13	0.00	0.00	20.13	0.00	0.00	21	0.00	0.00	0.00	118.72	0.67	69.38	
22	23.93	0.00	0.00	93.00	1.46	254.43	22	23.93	0.00	0.00	23.93	0.00	0.00	22	0.00	0.00	0.00	69.07	0.31	0.00	
23	22.44	0.00	0.00	22.44	1.16	253.27	23	22.44	0.00	0.00	22.44	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	
24	20.98	0.00	0.00	20.98	1.16	252.11	24	20.98	0.00	0.00	20.98	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	
25	17.04	0.00	0.00	17.04	0.57	251.54	25	17.04	0.00	0.00	17.04	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	
26	22.88	0.00	0.00	22.88	0.57	250.97	26	22.88	0.00	0.00	22.88	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	
27	14.56	0.00	0.00	14.56	0.75	250.22	27	14.56	0.00	0.00	14.56	0.00	0.00	27	0.00						

Offset Account

July 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1749.64							151.57							3.89
1	0.00	0.00	0.00	0.00	4.72	1744.92	1	0.00	0.00	0.00	0.00	0.41	151.16	1	0.00	0.00	0.00	0.00	0.01	3.88
2	0.00	0.00	0.00	0.00	4.74	1740.18	2	0.00	0.00	0.00	0.00	0.41	150.75	2	0.00	0.00	0.00	0.00	0.01	3.87
3	0.00	0.00	0.00	0.00	4.74	1735.44	3	0.00	0.00	0.00	0.00	0.41	150.34	3	0.00	0.00	0.00	0.00	0.01	3.86
4	0.00	0.00	0.00	0.00	4.75	1730.69	4	0.00	0.00	0.00	0.00	0.41	149.93	4	0.00	0.00	0.00	0.00	0.01	3.85
5	0.00	0.00	0.00	0.00	5.08	1725.61	5	0.00	0.00	0.00	0.00	0.44	149.49	5	0.00	0.00	0.00	0.00	0.01	3.84
6	0.00	0.00	0.00	0.00	2.18	1723.43	6	0.00	0.00	0.00	0.00	0.19	149.30	6	0.00	0.00	0.00	0.00	0.00	3.84
7	0.00	0.00	0.00	0.00	4.37	1719.06	7	0.00	0.00	0.00	0.00	0.38	148.92	7	0.00	0.00	0.00	0.00	0.01	3.83
8	0.00	0.00	0.00	0.00	6.41	1712.65	8	0.00	0.00	0.00	0.00	0.56	148.36	8	0.00	0.00	0.00	0.00	0.01	3.82
9	0.00	0.00	0.00	0.00	6.44	1706.21	9	0.00	0.00	0.00	0.00	0.56	147.80	9	0.00	0.00	0.00	0.00	0.01	3.81
10	0.00	0.00	0.00	0.00	6.32	1699.89	10	0.00	0.00	0.00	0.00	0.55	147.25	10	0.00	0.00	0.00	0.00	0.01	3.80
11	0.00	0.00	0.00	0.00	5.57	1694.32	11	0.00	0.00	0.00	0.00	0.48	146.77	11	0.00	0.00	0.00	0.00	0.01	3.79
12	0.00	0.00	0.00	0.00	6.30	1688.02	12	0.00	0.00	0.00	0.00	0.55	146.22	12	0.00	0.00	0.00	0.00	0.01	3.78
13	0.00	0.00	0.00	0.00	6.68	1681.34	13	0.00	0.00	0.00	0.00	0.58	145.64	13	0.00	0.00	0.00	0.00	0.01	3.77
14	0.00	0.00	0.00	0.00	5.85	1675.49	14	0.00	0.00	0.00	0.00	0.51	145.13	14	0.00	0.00	0.00	0.00	0.01	3.76
15	0.00	0.00	0.00	0.00	6.12	1669.37	15	0.00	0.00	0.00	0.00	0.53	144.60	15	0.00	0.00	0.00	0.00	0.01	3.75
16	0.00	0.00	0.00	0.00	6.13	1663.24	16	0.00	0.00	0.00	0.00	0.53	144.07	16	0.00	0.00	0.00	0.00	0.01	3.74
17	0.00	0.00	0.00	0.00	6.13	1657.11	17	0.00	0.00	0.00	0.00	0.53	143.54	17	0.00	0.00	0.00	0.00	0.01	3.73
18	0.00	0.00	0.00	0.00	6.37	1650.74	18	0.00	0.00	0.00	0.00	0.55	142.99	18	0.00	0.00	0.00	0.00	0.01	3.72
19	0.00	0.00	0.00	0.00	8.10	1642.64	19	0.00	0.00	0.00	0.00	0.70	142.29	19	0.00	0.00	0.00	0.00	0.02	3.70
20	0.00	0.00	0.00	0.00	3.45	1639.19	20	0.00	0.00	0.00	0.00	0.30	141.99	20	0.00	0.00	0.00	0.00	0.01	3.69
21	0.00	0.00	0.00	0.00	5.82	1633.37	21	0.00	0.00	0.00	0.00	0.50	141.49	21	0.00	0.00	0.00	0.00	0.01	3.68
22	0.00	0.00	0.00	45.85	7.34	1580.18	22	0.00	0.00	0.00	0.00	0.64	140.85	22	0.00	0.00	0.00	0.00	0.02	3.66
23	0.00	0.00	0.00	116.41	7.16	1456.61	23	0.00	0.00	0.00	0.00	0.64	140.21	23	0.00	0.00	0.00	0.00	0.02	3.64
24	0.00	0.00	0.00	117.87	6.67	1332.07	24	0.00	0.00	0.00	0.00	0.64	139.57	24	0.00	0.00	0.00	0.00	0.02	3.62
25	0.00	0.00	0.00	121.81	3.04	1207.22	25	0.00	0.00	0.00	0.00	0.32	139.25	25	0.00	0.00	0.00	0.00	0.01	3.61
26	0.00	0.00	0.00	115.97	2.76	1088.49	26	0.00	0.00	0.00	0.00	0.32	138.93	26	0.00	0.00	0.00	0.00	0.01	3.60
27	0.00	0.00	0.00	124.29	3.27	960.93	27	0.00	0.00	0.00	0.00	0.42	138.51	27	0.00	0.00	0.00	0.00	0.01	3.59
28	0.00	0.00	0.00	124.77	3.09	833.07	28	0.00	0.00	0.00	0.00	0.45	138.06	28	0.00	0.00	0.00	0.00	0.01	3.58
29	0.00	0.00	0.00	119.14	1.43	712.50	29	0.00	0.00	0.00	0.00	0.24	137.82	29	0.00	0.00	0.00	0.00	0.01	3.57
30	0.00	0.00	0.00	116.47	1.23	594.80	30	0.00	0.00	0.00	0.00	0.24	137.58	30	0.00	0.00	0.00	0.00	0.01	3.56
31	0.00	0.00	0.00	113.96	0.96	479.88	31	0.00	0.00	0.00	0.00	0.22	137.36	31	0.00	0.00	0.00	0.00	0.01	3.55
	0.00	0.00	0.00	1116.54	153.22			0.00	0.00	0.00	0.00	14.21		0.00	0.00	0.00	0.00	0.00	0.34	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1598.07							173.45							0.00
1	0.00	0.00	0.00	0.00	4.31	1593.76	1	0.00	0.00	0.00	0.00	0.47	172.98	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	4.33	1589.43	2	0.00	0.00	0.00	0.00	0.47	172.51	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	4.33	1585.10	3	0.00	0.00	0.00	0.00	0.47	172.04	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	4.34	1580.76	4	0.00	0.00	0.00	0.00	0.47	171.57	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	4.64	1576.12	5	0.00	0.00	0.00	0.00	0.50	171.07	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.99	1574.13	6	0.00	0.00	0.00	0.00	0.22	170.85	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.99	1570.14	7	0.00	0.00	0.00	0.00	0.43	170.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	5.85	1564.29	8	0.00	0.00	0.00	0.00	0.64	169.78	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	5.88	1558.41	9	0.00	0.00	0.00	0.00	0.64	169.14	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	5.77	1552.64	10	0.00	0.00	0.00	0.00	0.63	168.51	10	17.78	0.00	0.89	0.00	0.00	16.89
11	0.00	0.00	0.00	0.00	5.09	1547.55	11	0.00	0.00	0.00	0.00	0.55	167.96	11	17.78	0.00	0.89	0.00	0.06	33.72
12	0.00	0.00	0.00	0.00	5.75	1541.80	12	0.00	0.00	0.00	0.00	0.62	167.34	12	17.78	0.00	0.89	0.00	0.13	50.48
13	0.00	0.00	0.00	0.00	6.10	1535.70	13	0.00	0.00	0.00	0.00	0.66	166.68	13	17.78	0.00	0.89	0.00	0.20	67.17
14	0.00	0.00	0.00	0.00	5.34	1530.36	14	0.00	0.00	0.00	0.00	0.58	166.10	14	17.78	0.00	0.89	0.00	0.23	83.83
15	0.00	0.00	0.00	0.00	5.59	1524.77	15	0.00	0.00	0.00	0.00	0.61	165.49	15	8.89	0.00	0.44	0.00	0.31	91.97
16	0.00	0.00	0.00	0.00	5.60	1519.17	16	0.00	0.00	0.00	0.00	0.61	164.88	16	0.00	0.00	0.00	0.00	0.34	91.63
17	0.00	0.00	0.00	0.00	5.60	1513.57	17	0.00	0.00	0.00	0.00	0.61	164.27	17	0.00	0.00	0.00	0.00	0.34	91.29
18	0.00	0.00	0.00	0.00	5.82	1507.75	18	0.00	0.00	0.00	0.00	0.63	163.64	18	0.00	0.00	0.00	0.00	0.35	90.94
19	0.00	0.00	0.00	0.00	7.40	1500.35	19	0.00	0.00	0.00	0.00	0.80	162.84	19	0.00	0.00	0.00	0.00	0.45	90.49
20	0.00	0.00	0.00	0.00	3.15	1497.20	20	0.00	0.00	0.00	0.00	0.34	162.50	20	0.00	0.00	0.00	0.00	0.19	90.30
21	0.00	0.00	0.00	0.00	5.32	1491.88	21	0.00	0.00	0.00	0.00	0.58	161.92	21	0.00	0.00	0.00	0.00	0.32	89.98
22	0.00	0.00	0.00	45.85	6.70	1439.33	22	0.00	0.00	0.00	0.00	0.73	161.19	22	0.00	0.00	0.00	0.00	0.40	89.58
23	0.00	0.00	0.00	116.41	6.52	1316.40	23	0.00	0.00	0.00	0.00	0.73	160.46	23	0.00	0.00	0.00	0.00	0.41	89.17
24	0.00	0.00	0.00	117.87	6.03	1192.50	24	0.00	0.00	0.00	0.00	0.73	159.73	24	0.00	0.00	0.00	0.00	0.41	88.76
25	0.00	0.00	0.00	121.81	2.72	1067.97	25	0.00	0.00	0.00	0.00	0.36	159.37	25	0.00	0.00	0.00	0.00	0.20	88.56
26	0.00	0.00	0.00	115.97	2.44	949.56	26	0.00	0.00	0.00	0.00	0.36	159.01	26	0.00	0.00	0.00	0.00	0.20	88.36
27	0.00	0.00	0.00	124.29	2.85	822.42	27	0.00	0.00	0.00	0.00	0.48	158.53	27	0.00	0.00	0.00	0.00	0.26	88.10
28	0.00	0.00	0.00	124.77	2.64	695.01	28	0.00	0.00	0.00	0.00	0.51	158.02	28	0.00	0.00	0.00	0.00	0.28	87.82
29	0.																			

Offset Account

August 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						728.03							248.15							0.00
1	35.28	0.00	0.00	138.85	2.30	622.16	1	0.00	0.00	0.00	0.00	0.79	247.36	1	0.00	0.00	0.00	0.00	0.00	0.00
2	34.39	0.00	0.00	138.85	2.52	515.18	2	0.00	0.00	0.00	0.00	1.00	246.36	2	0.00	0.00	0.00	0.00	0.00	0.00
3	21.02	0.00	0.00	81.00	1.42	453.78	3	0.00	0.00	0.00	0.00	0.68	245.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	15.31	0.00	0.00	0.00	1.45	467.64	4	0.00	0.00	0.00	0.00	0.79	244.89	4	0.00	0.00	0.00	0.00	0.00	0.00
5	11.89	0.00	0.00	0.00	2.11	477.42	5	0.00	0.00	0.00	0.00	1.11	243.78	5	0.00	0.00	0.00	0.00	0.00	0.00
6	9.96	0.00	0.00	0.00	2.17	485.21	6	0.00	0.00	0.00	0.00	1.11	242.67	6	0.00	0.00	0.00	0.00	0.00	0.00
7	12.37	0.00	0.00	0.00	2.16	495.42	7	0.00	0.00	0.00	0.00	1.08	241.59	7	0.00	0.00	0.00	0.00	0.00	0.00
8	16.14	0.00	0.00	0.00	1.41	510.15	8	0.00	0.00	0.00	0.00	0.69	240.90	8	0.00	0.00	0.00	0.00	0.00	0.00
9	45.57	0.00	0.00	0.00	1.70	554.02	9	0.00	0.00	0.00	0.00	0.80	240.10	9	0.00	0.00	0.00	0.00	0.00	0.00
10	45.99	0.00	0.00	0.00	1.78	598.23	10	0.00	0.00	0.00	0.00	0.77	239.33	10	0.00	0.00	0.00	0.00	0.00	0.00
11	45.68	0.00	0.00	0.00	2.17	641.74	11	0.00	0.00	0.00	0.00	0.87	238.46	11	0.00	0.00	0.00	0.00	0.00	0.00
12	45.57	0.00	0.00	0.00	2.55	684.76	12	0.00	0.00	0.00	0.00	0.94	237.52	12	0.00	0.00	0.00	0.00	0.00	0.00
13	45.22	0.00	0.00	0.00	2.73	727.25	13	0.00	0.00	0.00	0.00	0.94	236.58	13	0.00	0.00	0.00	0.00	0.00	0.00
14	37.05	0.00	0.00	0.00	2.85	761.45	14	0.00	0.00	0.00	0.00	0.93	235.65	14	0.00	0.00	0.00	0.00	0.00	0.00
15	27.44	0.00	0.00	0.00	2.17	786.72	15	0.00	0.00	0.00	0.00	0.67	234.98	15	0.00	0.00	0.00	0.00	0.00	0.00
16	21.83	0.00	0.00	0.00	2.25	806.30	16	0.00	0.00	0.00	0.00	0.67	234.31	16	0.00	0.00	0.00	0.00	0.00	0.00
17	22.70	0.00	0.00	0.00	1.36	827.64	17	0.00	0.00	0.00	0.00	0.40	233.91	17	0.00	0.00	0.00	0.00	0.00	0.00
18	45.37	0.00	0.00	0.00	2.10	870.91	18	0.00	0.00	0.00	0.00	0.60	233.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	45.83	0.00	0.00	0.00	2.08	914.66	19	0.00	0.00	0.00	0.00	0.56	232.75	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.83	0.00	0.00	0.00	2.16	958.33	20	0.00	0.00	0.00	0.00	0.55	232.20	20	0.00	0.00	0.00	0.00	0.00	0.00
21	52.47	0.35	0.35	0.00	2.35	1008.45	21	7.10	0.00	0.35	0.00	0.57	238.38	21	0.00	0.00	0.00	0.00	0.00	0.00
22	52.52	0.35	0.35	0.00	2.63	1058.34	22	7.10	0.00	0.35	0.00	0.62	244.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	52.62	0.35	0.35	0.00	2.32	1108.64	23	7.10	0.00	0.35	0.00	0.54	250.72	23	0.00	0.00	0.00	0.00	0.00	0.00
24	45.35	0.35	0.35	0.00	3.61	1150.38	24	7.10	0.00	0.35	0.00	0.82	256.65	24	0.00	0.00	0.00	0.00	0.00	0.00
25	39.21	0.35	0.35	0.00	4.13	1185.46	25	7.10	0.00	0.35	0.00	0.92	262.48	25	0.00	0.00	0.00	0.00	0.00	0.00
26	37.51	0.35	0.35	0.00	4.75	1218.22	26	7.10	0.00	0.35	0.00	1.05	268.18	26	0.00	0.00	0.00	0.00	0.00	0.00
27	31.88	0.35	0.35	0.00	4.91	1245.19	27	7.10	0.00	0.35	0.00	1.08	273.85	27	0.00	0.00	0.00	0.00	0.00	0.00
28	29.28	0.35	0.35	0.00	5.01	1269.46	28	7.10	0.00	0.35	0.00	1.10	279.50	28	0.00	0.00	0.00	0.00	0.00	0.00
29	20.30	0.00	0.00	0.00	3.73	1286.03	29	0.00	0.00	0.00	0.00	0.82	278.68	29	0.00	0.00	0.00	0.00	0.00	0.00
30	17.28	0.00	0.00	0.00	3.88	1299.43	30	0.00	0.00	0.00	0.00	0.84	277.84	30	0.00	0.00	0.00	0.00	0.00	0.00
31	16.91	0.00	0.00	0.00	6.12	1310.22	31	0.00	0.00	0.00	0.00	1.31	276.53	31	0.00	0.00	0.00	0.00	0.00	0.00
1025.77	2.80	2.80	358.70	84.88			56.80	0.00	2.80	0.00	25.62		0.00	0.00	0.00	0.00	0.00			

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						248.15							0.00							0.00
1	35.28	0.00	0.00	34.21	0.79	248.43	1	35.28	0.00	0.00	34.21	0.00	1.07	1	0.00	0.00	0.00	0.00	0.00	0.00
2	34.39	0.00	0.00	34.39	1.00	247.43	2	34.39	0.00	0.00	34.39	0.00	1.07	2	0.00	0.00	0.00	0.00	0.00	0.00
3	21.02	0.00	0.00	21.02	0.68	246.75	3	21.02	0.00	0.00	21.02	0.00	1.07	3	0.00	0.00	0.00	0.00	0.00	0.00
4	15.31	0.00	0.00	0.00	0.79	261.27	4	15.31	0.00	0.00	0.00	0.00	16.38	4	0.00	0.00	0.00	0.00	0.00	0.00
5	11.89	0.00	0.00	0.00	1.18	271.98	5	11.89	0.00	0.00	0.00	0.07	28.20	5	0.00	0.00	0.00	0.00	0.00	0.00
6	9.96	0.00	0.00	0.00	1.24	280.70	6	9.96	0.00	0.00	0.00	0.13	38.03	6	0.00	0.00	0.00	0.00	0.00	0.00
7	12.37	0.00	0.00	0.00	1.25	291.82	7	12.37	0.00	0.00	0.00	0.17	50.23	7	0.00	0.00	0.00	0.00	0.00	0.00
8	16.14	0.00	0.00	0.00	0.83	307.13	8	16.14	0.00	0.00	0.00	0.14	66.23	8	0.00	0.00	0.00	0.00	0.00	0.00
9	45.57	0.00	0.00	0.00	1.02	351.68	9	45.57	0.00	0.00	0.00	0.22	111.58	9	0.00	0.00	0.00	0.00	0.00	0.00
10	45.99	0.00	0.00	0.00	1.13	396.54	10	45.99	0.00	0.00	0.00	0.36	157.21	10	0.00	0.00	0.00	0.00	0.00	0.00
11	45.68	0.00	0.00	0.00	1.44	440.78	11	45.68	0.00	0.00	0.00	0.57	202.32	11	0.00	0.00	0.00	0.00	0.00	0.00
12	45.57	0.00	0.00	0.00	1.75	484.60	12	45.57	0.00	0.00	0.00	0.81	247.08	12	0.00	0.00	0.00	0.00	0.00	0.00
13	45.22	0.00	0.00	0.00	1.93	527.89	13	45.22	0.00	0.00	0.00	0.99	291.31	13	0.00	0.00	0.00	0.00	0.00	0.00
14	37.05	0.00	0.00	0.00	2.07	562.87	14	37.05	0.00	0.00	0.00	1.14	327.22	14	0.00	0.00	0.00	0.00	0.00	0.00
15	27.44	0.00	0.00	0.00	1.60	588.71	15	27.44	0.00	0.00	0.00	0.93	353.73	15	0.00	0.00	0.00	0.00	0.00	0.00
16	21.83	0.00	0.00	0.00	1.68	608.86	16	21.83	0.00	0.00	0.00	1.01	374.55	16	0.00	0.00	0.00	0.00	0.00	0.00
17	22.70	0.00	0.00	0.00	1.03	630.53	17	22.70	0.00	0.00	0.00	0.63	396.62	17	0.00	0.00	0.00	0.00	0.00	0.00
18	45.37	0.00	0.00	0.00	1.60	674.30	18	45.37	0.00	0.00	0.00	1.00	440.99	18	0.00	0.00	0.00	0.00	0.00	0.00
19	45.83	0.00	0.00	0.00	1.61	718.52	19	45.83	0.00	0.00	0.00	1.05	485.77	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.83	0.00	0.00	0.00	1.70	762.65	20	45.83	0.00	0.00	0.00	1.15	530.45	20	0.00	0.00	0.00	0.00	0.00	0.00
21	52.47	0.35	0.35	0.00	1.87	813.25	21	45.37	0.35	0.00	0.00	1.30	574.87	21	0.00	0.00	0.00	0.00	0.00	0.00
22	52.52	0.35	0.35	0.00	2.12	863.65	22	45.42	0.35	0.00	0.00	1.50	619.14	22	0.00	0.00	0.00	0.00	0.00	0.00
23	52.62	0.35	0.35	0.00	1.89	914.38	23	45.52	0.35	0.00	0.00	1.35	663.66	23	0.00	0.00	0.00	0.00	0.00	0.00
24	45.35	0.35	0.35	0.00	2.98	956.75	24	38.25	0.35	0.00	0.00	2.16	700.10	24	0.00	0.00	0.00	0.00	0.00	0.00
25	39.21	0.35	0.35	0.00	3.43	992.53	25	32.11	0.35	0.00	0.00	2.51	730.05	25	0.00	0.00	0.00	0.00	0.00	0.00
26	37.51	0.35	0.35	0.00	3.98	1026.06	26	30.41	0.35	0.00	0.00	2.93	757.88	26	0.00	0.00	0.00	0.00	0.00	0.00
27	31.88	0.35	0.35	0.00	4.14	1053.80	27	24.78	0.35	0.00	0.00	3.06	779.95	27	0.00	0.00	0.00	0.00	0.00	0.00
28	29.28	0.35	0.35	0.00	4.24	1078.84	28	22.18	0.35	0.00	0.00	3.14	799.34	28	0.00	0.00	0.00	0.00	0.00	0.00
29	20.30	0.00	0.00																	

Offset Account

August 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						479.88							137.36							3.55
1	0.00	0.00	0.00	104.64	1.51	373.73	1	0.00	0.00	0.00	0.00	0.43	136.93	1	0.00	0.00	0.00	0.00	0.01	3.54
2	0.00	0.00	0.00	104.46	1.52	267.75	2	0.00	0.00	0.00	0.00	0.56	136.37	2	0.00	0.00	0.00	0.00	0.01	3.53
3	0.00	0.00	0.00	59.98	0.74	207.03	3	0.00	0.00	0.00	59.98	0.38	76.01	3	0.00	0.00	0.00	0.00	0.01	3.52
4	0.00	0.00	0.00	0.00	0.66	206.37	4	0.00	0.00	0.00	0.00	0.24	75.77	4	0.00	0.00	0.00	0.00	0.01	3.51
5	0.00	0.00	0.00	0.00	0.93	205.44	5	0.00	0.00	0.00	0.00	0.34	75.43	5	0.00	0.00	0.00	0.00	0.02	3.49
6	0.00	0.00	0.00	0.00	0.93	204.51	6	0.00	0.00	0.00	0.00	0.34	75.09	6	0.00	0.00	0.00	0.00	0.02	3.47
7	0.00	0.00	0.00	0.00	0.91	203.60	7	0.00	0.00	0.00	0.00	0.33	74.76	7	0.00	0.00	0.00	0.00	0.02	3.45
8	0.00	0.00	0.00	0.00	0.58	203.02	8	0.00	0.00	0.00	0.00	0.21	74.55	8	0.00	0.00	0.00	0.00	0.01	3.44
9	0.00	0.00	0.00	0.00	0.68	202.34	9	0.00	0.00	0.00	0.00	0.25	74.30	9	0.00	0.00	0.00	0.00	0.01	3.43
10	0.00	0.00	0.00	0.00	0.65	201.69	10	0.00	0.00	0.00	0.00	0.24	74.06	10	0.00	0.00	0.00	0.00	0.01	3.42
11	0.00	0.00	0.00	0.00	0.73	200.96	11	0.00	0.00	0.00	0.00	0.27	73.79	11	0.00	0.00	0.00	0.00	0.01	3.41
12	0.00	0.00	0.00	0.00	0.80	200.16	12	0.00	0.00	0.00	0.00	0.29	73.50	12	0.00	0.00	0.00	0.00	0.01	3.40
13	0.00	0.00	0.00	0.00	0.80	199.36	13	0.00	0.00	0.00	0.00	0.29	73.21	13	0.00	0.00	0.00	0.00	0.01	3.39
14	0.00	0.00	0.00	0.00	0.78	198.58	14	0.00	0.00	0.00	0.00	0.29	72.92	14	0.00	0.00	0.00	0.00	0.01	3.38
15	0.00	0.00	0.00	0.00	0.57	198.01	15	0.00	0.00	0.00	0.00	0.21	72.71	15	0.00	0.00	0.00	0.00	0.01	3.37
16	0.00	0.00	0.00	0.00	0.57	197.44	16	0.00	0.00	0.00	0.00	0.21	72.50	16	0.00	0.00	0.00	0.00	0.01	3.36
17	0.00	0.00	0.00	0.00	0.33	197.11	17	0.00	0.00	0.00	0.00	0.12	72.38	17	0.00	0.00	0.00	0.00	0.01	3.35
18	0.00	0.00	0.00	0.00	0.50	196.61	18	0.00	0.00	0.00	0.00	0.18	72.20	18	0.00	0.00	0.00	0.00	0.01	3.34
19	0.00	0.00	0.00	0.00	0.47	196.14	19	0.00	0.00	0.00	0.00	0.17	72.03	19	0.00	0.00	0.00	0.00	0.01	3.33
20	0.00	0.00	0.00	0.00	0.46	195.68	20	0.00	0.00	0.00	0.00	0.17	71.86	20	0.00	0.00	0.00	0.00	0.01	3.32
21	0.00	0.00	0.00	0.00	0.48	195.20	21	0.00	0.00	0.00	0.00	0.18	71.68	21	0.00	0.00	0.00	0.00	0.01	3.31
22	0.00	0.00	0.00	0.00	0.51	194.69	22	0.00	0.00	0.00	0.00	0.19	71.49	22	0.00	0.00	0.00	0.00	0.01	3.30
23	0.00	0.00	0.00	0.00	0.43	194.26	23	0.00	0.00	0.00	0.00	0.16	71.33	23	0.00	0.00	0.00	0.00	0.01	3.29
24	0.00	0.00	0.00	0.00	0.63	193.63	24	0.00	0.00	0.00	0.00	0.23	71.10	24	0.00	0.00	0.00	0.00	0.01	3.28
25	0.00	0.00	0.00	0.00	0.70	192.93	25	0.00	0.00	0.00	0.00	0.26	70.84	25	0.00	0.00	0.00	0.00	0.01	3.27
26	0.00	0.00	0.00	0.00	0.77	192.16	26	0.00	0.00	0.00	0.00	0.28	70.56	26	0.00	0.00	0.00	0.00	0.01	3.26
27	0.00	0.00	0.00	0.00	0.77	191.39	27	0.00	0.00	0.00	0.00	0.28	70.28	27	0.00	0.00	0.00	0.00	0.01	3.25
28	0.00	0.00	0.00	0.00	0.77	190.62	28	0.00	0.00	0.00	0.00	0.28	70.00	28	0.00	0.00	0.00	0.00	0.01	3.24
29	0.00	0.00	0.00	0.00	0.56	190.06	29	0.00	0.00	0.00	0.00	0.21	69.79	29	0.00	0.00	0.00	0.00	0.01	3.23
30	0.00	0.00	0.00	0.00	0.57	189.49	30	0.00	0.00	0.00	0.00	0.21	69.58	30	0.00	0.00	0.00	0.00	0.01	3.22
31	0.00	0.00	0.00	0.00	0.89	188.60	31	0.00	0.00	0.00	0.00	0.33	69.25	31	0.00	0.00	0.00	0.00	0.02	3.20
	0.00	0.00	0.00	269.08	22.20			0.00	0.00	0.00	59.98	8.13			0.00	0.00	0.00	0.00	0.35	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						342.52							157.22							87.38
1	0.00	0.00	0.00	104.64	1.08	236.80	1	0.00	0.00	0.00	0.00	0.50	156.72	1	0.00	0.00	0.00	0.00	0.28	87.10
2	0.00	0.00	0.00	104.46	0.96	131.38	2	0.00	0.00	0.00	0.00	0.64	156.08	2	0.00	0.00	0.00	0.00	0.35	86.75
3	0.00	0.00	0.00	0.00	0.36	131.02	3	0.00	0.00	0.00	0.00	0.43	155.65	3	0.00	0.00	0.00	0.00	0.24	86.51
4	0.00	0.00	0.00	0.00	0.42	130.60	4	0.00	0.00	0.00	0.00	0.50	155.15	4	0.00	0.00	0.00	0.00	0.28	86.23
5	0.00	0.00	0.00	0.00	0.59	130.01	5	0.00	0.00	0.00	0.00	0.70	154.45	5	0.00	0.00	0.00	0.00	0.39	85.84
6	0.00	0.00	0.00	0.00	0.59	129.42	6	0.00	0.00	0.00	0.00	0.70	153.75	6	0.00	0.00	0.00	0.00	0.39	85.45
7	0.00	0.00	0.00	0.00	0.58	128.84	7	0.00	0.00	0.00	0.00	0.68	153.07	7	0.00	0.00	0.00	0.00	0.38	85.07
8	0.00	0.00	0.00	0.00	0.37	128.47	8	0.00	0.00	0.00	0.00	0.44	152.63	8	0.00	0.00	0.00	0.00	0.24	84.83
9	0.00	0.00	0.00	0.00	0.43	128.04	9	0.00	0.00	0.00	0.00	0.51	152.12	9	0.00	0.00	0.00	0.00	0.28	84.55
10	0.00	0.00	0.00	0.00	0.41	127.63	10	0.00	0.00	0.00	0.00	0.49	151.63	10	0.00	0.00	0.00	0.00	0.27	84.28
11	0.00	0.00	0.00	0.00	0.46	127.17	11	0.00	0.00	0.00	0.00	0.55	151.08	11	0.00	0.00	0.00	0.00	0.31	83.97
12	0.00	0.00	0.00	0.00	0.51	126.66	12	0.00	0.00	0.00	0.00	0.60	150.48	12	0.00	0.00	0.00	0.00	0.33	83.64
13	0.00	0.00	0.00	0.00	0.51	126.15	13	0.00	0.00	0.00	0.00	0.60	149.88	13	0.00	0.00	0.00	0.00	0.33	83.31
14	0.00	0.00	0.00	0.00	0.49	125.66	14	0.00	0.00	0.00	0.00	0.59	149.29	14	0.00	0.00	0.00	0.00	0.33	82.98
15	0.00	0.00	0.00	0.00	0.36	125.30	15	0.00	0.00	0.00	0.00	0.42	148.87	15	0.00	0.00	0.00	0.00	0.24	82.74
16	0.00	0.00	0.00	0.00	0.36	124.94	16	0.00	0.00	0.00	0.00	0.42	148.45	16	0.00	0.00	0.00	0.00	0.24	82.50
17	0.00	0.00	0.00	0.00	0.21	124.73	17	0.00	0.00	0.00	0.00	0.25	148.20	17	0.00	0.00	0.00	0.00	0.14	82.36
18	0.00	0.00	0.00	0.00	0.32	124.41	18	0.00	0.00	0.00	0.00	0.38	147.82	18	0.00	0.00	0.00	0.00	0.21	82.15
19	0.00	0.00	0.00	0.00	0.30	124.11	19	0.00	0.00	0.00	0.00	0.35	147.47	19	0.00	0.00	0.00	0.00	0.20	81.95
20	0.00	0.00	0.00	0.00	0.29	123.82	20	0.00	0.00	0.00	0.00	0.35	147.12	20	0.00	0.00	0.00	0.00	0.19	81.76
21	0.00	0.00	0.00	0.00	0.30	123.52	21	0.00	0.00	0.00	0.00	0.36	146.76	21	7.10	0.00	0.35	0.00	0.20	88.31
22	0.00	0.00	0.00	0.00	0.32	123.20	22	0.00	0.00	0.00	0.00	0.38	146.38	22	7.10	0.00	0.35	0.00	0.23	94.83
23	0.00	0.00	0.00	0.00	0.27	122.93	23	0.00	0.00	0.00	0.00	0.32	146.06	23	7.10	0.00	0.35	0.00	0.21	101.37
24	0.00	0.00	0.00	0.00	0.40	122.53	24	0.00	0.00	0.00	0.00	0.48	145.58	24	7.10	0.00	0.35	0.00	0.33	107.79
25	0.00	0.00	0.00	0.00	0.44	122.09	25	0.00	0.00	0.00	0.00	0.52	145.06	25	7.10	0.00	0.35	0.00	0.39	114.15
26	0.00	0.00	0.00	0.00	0.49	121.60	26	0.00	0.00	0.00	0.00	0.58	144.48	26	7.10	0.00	0.35	0.00	0.46	120.44
27	0.00	0.00	0.00	0.00	0.49	121.11	27	0.00	0.00	0.00	0.00	0.58	143.90	27	7.10	0.00	0.35	0.00	0.49	126.70
28	0.00	0.00	0.00	0.00	0.49	120.62	28	0.00	0.00	0.00	0.00	0.58	143.32	28	7.10	0.00	0.35	0.00	0.51	132.94
29	0.00	0.00	0.00	0.00	0.35	120.27	29	0.00	0.00	0.00	0.00									

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1310.22							276.53							0.00
1	16.67	0.00	0.00	0.00	1.87	1325.02	1	0.00	0.00	0.00	0.00	0.39	276.14	1	0.00	0.00	0.00	0.00	0.00	0.00
2	13.21	3.52	3.52	0.00	4.13	1334.10	2	0.00	0.00	0.00	0.00	0.86	275.28	2	0.00	0.00	0.00	0.00	0.00	0.00
3	11.05	0.00	0.00	0.00	4.15	1341.00	3	0.00	0.00	0.00	0.00	0.86	274.42	3	0.00	0.00	0.00	0.00	0.00	0.00
4	10.30	0.00	0.00	0.00	4.17	1347.13	4	0.00	0.00	0.00	0.00	0.86	273.56	4	0.00	0.00	0.00	0.00	0.00	0.00
5	9.46	0.00	0.00	0.00	4.30	1352.29	5	0.00	0.00	0.00	0.00	0.87	272.69	5	0.00	0.00	0.00	0.00	0.00	0.00
6	13.79	0.00	0.00	0.00	2.62	1363.46	6	0.00	0.00	0.00	0.00	0.53	272.16	6	0.00	0.00	0.00	0.00	0.00	0.00
7	14.76	0.00	0.00	0.00	4.45	1373.77	7	0.00	0.00	0.00	0.00	0.89	271.27	7	0.00	0.00	0.00	0.00	0.00	0.00
8	12.03	0.00	0.00	0.00	7.61	1378.19	8	0.00	0.00	0.00	0.00	1.50	269.77	8	0.00	0.00	0.00	0.00	0.00	0.00
9	10.91	0.00	0.00	0.00	3.15	1385.95	9	0.00	0.00	0.00	0.00	0.62	269.15	9	0.00	0.00	0.00	0.00	0.00	0.00
10	9.36	0.00	0.00	0.00	3.17	1392.14	10	0.00	0.00	0.00	0.00	0.62	268.53	10	0.00	0.00	0.00	0.00	0.00	0.00
11	8.82	0.00	0.00	0.00	3.21	1397.75	11	0.00	0.00	0.00	0.00	0.62	267.91	11	0.00	0.00	0.00	0.00	0.00	0.00
12	8.75	0.00	0.00	0.00	3.37	1403.13	12	0.00	0.00	0.00	0.00	0.65	267.26	12	0.00	0.00	0.00	0.00	0.00	0.00
13	8.71	0.00	0.00	0.00	4.12	1407.72	13	0.00	0.00	0.00	0.00	0.78	266.48	13	0.00	0.00	0.00	0.00	0.00	0.00
14	8.71	0.00	0.00	0.00	5.73	1410.70	14	0.00	0.00	0.00	0.00	1.09	265.39	14	0.00	0.00	0.00	0.00	0.00	0.00
15	8.71	0.00	0.00	0.00	4.80	1414.61	15	0.00	0.00	0.00	0.00	0.90	264.49	15	0.00	0.00	0.00	0.00	0.00	0.00
16	8.71	0.00	0.00	0.00	3.61	1419.71	16	0.00	0.00	0.00	0.00	0.68	263.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	8.71	0.00	0.00	0.00	3.64	1424.78	17	0.00	0.00	0.00	0.00	0.68	263.13	17	0.00	0.00	0.00	0.00	0.00	0.00
18	8.71	0.00	0.00	0.00	3.67	1429.82	18	0.00	0.00	0.00	0.00	0.68	262.45	18	0.00	0.00	0.00	0.00	0.00	0.00
19	8.71	0.00	0.00	0.00	2.94	1435.59	19	0.00	0.00	0.00	0.00	0.55	261.90	19	0.00	0.00	0.00	0.00	0.00	0.00
20	8.71	0.00	0.00	0.00	3.49	1440.81	20	0.00	0.00	0.00	0.00	0.64	261.26	20	0.00	0.00	0.00	0.00	0.00	0.00
21	8.71	0.00	0.00	0.00	3.24	1446.28	21	0.00	0.00	0.00	0.00	0.59	260.67	21	0.00	0.00	0.00	0.00	0.00	0.00
22	8.71	0.00	0.00	0.00	1.44	1453.55	22	0.00	0.00	0.00	0.00	0.25	260.42	22	0.00	0.00	0.00	0.00	0.00	0.00
23	8.71	0.00	0.00	0.00	3.45	1458.81	23	0.00	0.00	0.00	0.00	0.62	259.80	23	0.00	0.00	0.00	0.00	0.00	0.00
24	8.71	0.00	0.00	0.00	3.47	1464.05	24	0.00	0.00	0.00	0.00	0.62	259.18	24	0.00	0.00	0.00	0.00	0.00	0.00
25	8.71	0.00	0.00	0.00	3.37	1469.39	25	0.00	0.00	0.00	0.00	0.60	258.58	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.71	0.00	0.00	0.00	5.02	1473.08	26	0.00	0.00	0.00	0.00	0.88	257.70	26	0.00	0.00	0.00	0.00	0.00	0.00
27	7.72	0.00	0.00	0.00	3.58	1477.22	27	0.00	0.00	0.00	0.00	0.63	257.07	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	5.23	1471.99	28	0.00	0.00	0.00	0.00	0.91	256.16	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	5.65	1466.34	29	0.00	0.00	0.00	0.00	0.98	255.18	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	5.51	1460.83	30	0.00	0.00	0.00	0.00	0.96	254.22	30	0.00	0.00	0.00	0.00	0.00	0.00
	268.77	3.52	3.52	0.00	118.16			0.00	0.00	0.00	0.00	22.31			0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1121.62							845.09							0.00
1	16.67	0.00	0.00	0.00	1.60	1136.69	1	16.67	0.00	0.00	0.00	1.21	860.55	1	0.00	0.00	0.00	0.00	0.00	0.00
2	13.21	3.52	3.52	0.00	3.54	1146.36	2	13.21	0.00	3.52	0.00	2.68	867.56	2	0.00	3.52	0.00	0.00	0.00	3.52
3	11.05	0.00	0.00	0.00	3.57	1153.84	3	11.05	0.00	0.00	0.00	2.70	875.91	3	0.00	0.00	0.00	0.00	0.01	3.51
4	10.30	0.00	0.00	0.00	3.59	1160.55	4	10.30	0.00	0.00	0.00	2.72	883.49	4	0.00	0.00	0.00	0.00	0.01	3.50
5	9.46	0.00	0.00	0.00	3.70	1166.31	5	9.46	0.00	0.00	0.00	2.82	890.13	5	0.00	0.00	0.00	0.00	0.01	3.49
6	13.79	0.00	0.00	0.00	2.26	1177.84	6	13.79	0.00	0.00	0.00	1.72	902.20	6	0.00	0.00	0.00	0.00	0.01	3.48
7	14.76	0.00	0.00	0.00	3.85	1188.75	7	8.71	0.00	0.00	0.00	2.95	907.96	7	6.05	0.00	0.00	0.00	0.01	9.52
8	12.03	0.00	0.00	0.00	6.58	1194.20	8	8.71	0.00	0.00	0.00	5.03	911.64	8	3.32	0.00	0.00	0.00	0.05	12.79
9	10.91	0.00	0.00	0.00	2.73	1202.38	9	8.71	0.00	0.00	0.00	2.08	918.27	9	2.20	0.00	0.00	0.00	0.03	14.96
10	9.36	0.00	0.00	0.00	2.75	1208.99	10	8.71	0.00	0.00	0.00	2.10	924.88	10	0.65	0.00	0.00	0.00	0.03	15.58
11	8.82	0.00	0.00	0.00	2.79	1215.02	11	8.71	0.00	0.00	0.00	2.13	931.46	11	0.11	0.00	0.00	0.00	0.04	15.65
12	8.75	0.00	0.00	0.00	2.93	1220.84	12	8.71	0.00	0.00	0.00	2.24	937.93	12	0.04	0.00	0.00	0.00	0.04	15.65
13	8.71	0.00	0.00	0.00	3.58	1225.97	13	8.71	0.00	0.00	0.00	2.75	943.89	13	0.00	0.00	0.00	0.00	0.05	15.60
14	8.71	0.00	0.00	0.00	4.99	1229.69	14	8.71	0.00	0.00	0.00	3.84	948.76	14	0.00	0.00	0.00	0.00	0.06	15.54
15	8.71	0.00	0.00	0.00	4.18	1234.22	15	8.71	0.00	0.00	0.00	3.23	954.24	15	0.00	0.00	0.00	0.00	0.05	15.49
16	8.71	0.00	0.00	0.00	3.15	1239.78	16	8.71	0.00	0.00	0.00	2.43	960.52	16	0.00	0.00	0.00	0.00	0.04	15.45
17	8.71	0.00	0.00	0.00	3.18	1245.31	17	8.71	0.00	0.00	0.00	2.46	966.77	17	0.00	0.00	0.00	0.00	0.04	15.41
18	8.71	0.00	0.00	0.00	3.21	1250.81	18	8.71	0.00	0.00	0.00	2.49	972.99	18	0.00	0.00	0.00	0.00	0.04	15.37
19	8.71	0.00	0.00	0.00	2.58	1256.94	19	8.71	0.00	0.00	0.00	2.00	979.70	19	0.00	0.00	0.00	0.00	0.03	15.34
20	8.71	0.00	0.00	0.00	3.06	1262.59	20	8.71	0.00	0.00	0.00	2.38	986.03	20	0.00	0.00	0.00	0.00	0.04	15.30
21	8.71	0.00	0.00	0.00	2.84	1268.46	21	8.71	0.00	0.00	0.00	2.22	992.52	21	0.00	0.00	0.00	0.00	0.03	15.27
22	8.71	0.00	0.00	0.00	1.26	1275.91	22	8.71	0.00	0.00	0.00	0.99	1000.24	22	0.00	0.00	0.00	0.00	0.02	15.25
23	8.71	0.00	0.00	0.00	3.03	1281.59	23	8.71	0.00	0.00	0.00	2.37	1006.58	23	0.00	0.00	0.00	0.00	0.04	15.21
24	8.71	0.00	0.00	0.00	3.05	1287.25	24	8.71	0.00	0.00	0.00	2.39	1012.90	24	0.00	0.00	0.00	0.00	0.04	15.17
25	8.71	0.00	0.00	0.00	2.96	1293.00	25	8.71	0.00	0.00	0.00	2.33	1019.28	25	0.00	0.00	0.00	0.00	0.03	15.14
26	8.71	0.00	0.00	0.00	4.42	1297.29	26	8.71	0.00	0.00	0.00	3.49	1024.50	26	0.00	0.00	0.00	0.00	0.05	15.09
27	7.72	0.00	0.00	0.00	3.15	1301.86	27	7.72	0.00	0.00	0.00	2.48	1029.74	27	0.00	0.00	0.00	0.00	0.04	15.05
28	0.00	0.00	0.00	0.00	4.61	1297.25	28	0.00	0.00	0.00	0.00	3.65	1026.09	28	0.00	0.00	0.00	0.00	0.05	15.00
29	0.00	0.00	0.00	0.00	4.98	1292.27	29	0.00	0.00	0.00	0.00	3.94	1022.15	29	0.00	0.00	0.00	0.00	0.06	14.94
30	0.00	0.00	0.00	0.00	4.86	1287.41														

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						188.60							69.25							3.20
1	0.00	0.00	0.00	0.00	0.27	188.33	1	0.00	0.00	0.00	0.00	0.10	69.15	1	0.00	0.00	0.00	0.00	0.00	3.20
2	0.00	0.00	0.00	0.00	0.59	187.74	2	0.00	0.00	0.00	0.00	0.22	68.93	2	0.00	0.00	0.00	0.00	0.01	3.19
3	0.00	0.00	0.00	0.00	0.58	187.16	3	0.00	0.00	0.00	0.00	0.21	68.72	3	0.00	0.00	0.00	0.00	0.01	3.18
4	0.00	0.00	0.00	0.00	0.58	186.58	4	0.00	0.00	0.00	0.00	0.21	68.51	4	0.00	0.00	0.00	0.00	0.01	3.17
5	0.00	0.00	0.00	0.00	0.60	185.98	5	0.00	0.00	0.00	0.00	0.22	68.29	5	0.00	0.00	0.00	0.00	0.01	3.16
6	0.00	0.00	0.00	0.00	0.36	185.62	6	0.00	0.00	0.00	0.00	0.13	68.16	6	0.00	0.00	0.00	0.00	0.01	3.15
7	0.00	0.00	0.00	0.00	0.60	185.02	7	0.00	0.00	0.00	0.00	0.22	67.94	7	0.00	0.00	0.00	0.00	0.01	3.14
8	0.00	0.00	0.00	0.00	1.03	183.99	8	0.00	0.00	0.00	0.00	0.38	67.56	8	0.00	0.00	0.00	0.00	0.02	3.12
9	0.00	0.00	0.00	0.00	0.42	183.57	9	0.00	0.00	0.00	0.00	0.15	67.41	9	0.00	0.00	0.00	0.00	0.01	3.11
10	0.00	0.00	0.00	0.00	0.42	183.15	10	0.00	0.00	0.00	0.00	0.15	67.26	10	0.00	0.00	0.00	0.00	0.01	3.10
11	0.00	0.00	0.00	0.00	0.42	182.73	11	0.00	0.00	0.00	0.00	0.15	67.11	11	0.00	0.00	0.00	0.00	0.01	3.09
12	0.00	0.00	0.00	0.00	0.44	182.29	12	0.00	0.00	0.00	0.00	0.16	66.95	12	0.00	0.00	0.00	0.00	0.01	3.08
13	0.00	0.00	0.00	0.00	0.54	181.75	13	0.00	0.00	0.00	0.00	0.20	66.75	13	0.00	0.00	0.00	0.00	0.01	3.07
14	0.00	0.00	0.00	0.00	0.74	181.01	14	0.00	0.00	0.00	0.00	0.27	66.48	14	0.00	0.00	0.00	0.00	0.01	3.06
15	0.00	0.00	0.00	0.00	0.62	180.39	15	0.00	0.00	0.00	0.00	0.23	66.25	15	0.00	0.00	0.00	0.00	0.01	3.05
16	0.00	0.00	0.00	0.00	0.46	179.93	16	0.00	0.00	0.00	0.00	0.17	66.08	16	0.00	0.00	0.00	0.00	0.01	3.04
17	0.00	0.00	0.00	0.00	0.46	179.47	17	0.00	0.00	0.00	0.00	0.17	65.91	17	0.00	0.00	0.00	0.00	0.01	3.03
18	0.00	0.00	0.00	0.00	0.46	179.01	18	0.00	0.00	0.00	0.00	0.17	65.74	18	0.00	0.00	0.00	0.00	0.01	3.02
19	0.00	0.00	0.00	0.00	0.36	178.65	19	0.00	0.00	0.00	0.00	0.13	65.61	19	0.00	0.00	0.00	0.00	0.01	3.01
20	0.00	0.00	0.00	0.00	0.43	178.22	20	0.00	0.00	0.00	0.00	0.16	65.45	20	0.00	0.00	0.00	0.00	0.01	3.00
21	0.00	0.00	0.00	0.00	0.40	177.82	21	0.00	0.00	0.00	0.00	0.15	65.30	21	0.00	0.00	0.00	0.00	0.01	2.99
22	0.00	0.00	0.00	0.00	0.18	177.64	22	0.00	0.00	0.00	0.00	0.07	65.23	22	0.00	0.00	0.00	0.00	0.00	2.99
23	0.00	0.00	0.00	0.00	0.42	177.22	23	0.00	0.00	0.00	0.00	0.15	65.08	23	0.00	0.00	0.00	0.00	0.01	2.98
24	0.00	0.00	0.00	0.00	0.42	176.80	24	0.00	0.00	0.00	0.00	0.15	64.93	24	0.00	0.00	0.00	0.00	0.01	2.97
25	0.00	0.00	0.00	0.00	0.41	176.39	25	0.00	0.00	0.00	0.00	0.15	64.78	25	0.00	0.00	0.00	0.00	0.01	2.96
26	0.00	0.00	0.00	0.00	0.60	175.79	26	0.00	0.00	0.00	0.00	0.22	64.56	26	0.00	0.00	0.00	0.00	0.01	2.95
27	0.00	0.00	0.00	0.00	0.43	175.36	27	0.00	0.00	0.00	0.00	0.16	64.40	27	0.00	0.00	0.00	0.00	0.01	2.94
28	0.00	0.00	0.00	0.00	0.62	174.74	28	0.00	0.00	0.00	0.00	0.23	64.17	28	0.00	0.00	0.00	0.00	0.01	2.93
29	0.00	0.00	0.00	0.00	0.67	174.07	29	0.00	0.00	0.00	0.00	0.25	63.92	29	0.00	0.00	0.00	0.00	0.01	2.92
30	0.00	0.00	0.00	0.00	0.65	173.42	30	0.00	0.00	0.00	0.00	0.24	63.68	30	0.00	0.00	0.00	0.00	0.01	2.91
	0.00	0.00	0.00	0.00	15.18			0.00	0.00	0.00	0.00	5.57		0.00	0.00	0.00	0.00	0.29		
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						119.35							141.80							131.53
1	0.00	0.00	0.00	0.00	0.17	119.18	1	0.00	0.00	0.00	0.00	0.20	141.60	1	0.00	0.00	0.00	0.00	0.19	131.34
2	0.00	0.00	0.00	0.00	0.37	118.81	2	0.00	0.00	0.00	0.00	0.44	141.16	2	0.00	0.00	0.00	0.00	0.41	130.93
3	0.00	0.00	0.00	0.00	0.37	118.44	3	0.00	0.00	0.00	0.00	0.44	140.72	3	0.00	0.00	0.00	0.00	0.41	130.52
4	0.00	0.00	0.00	0.00	0.37	118.07	4	0.00	0.00	0.00	0.00	0.44	140.28	4	0.00	0.00	0.00	0.00	0.41	130.11
5	0.00	0.00	0.00	0.00	0.38	117.69	5	0.00	0.00	0.00	0.00	0.45	139.83	5	0.00	0.00	0.00	0.00	0.41	129.70
6	0.00	0.00	0.00	0.00	0.23	117.46	6	0.00	0.00	0.00	0.00	0.27	139.56	6	0.00	0.00	0.00	0.00	0.25	129.45
7	0.00	0.00	0.00	0.00	0.38	117.08	7	0.00	0.00	0.00	0.00	0.46	139.10	7	0.00	0.00	0.00	0.00	0.42	129.03
8	0.00	0.00	0.00	0.00	0.65	116.43	8	0.00	0.00	0.00	0.00	0.77	138.33	8	0.00	0.00	0.00	0.00	0.71	128.32
9	0.00	0.00	0.00	0.00	0.27	116.16	9	0.00	0.00	0.00	0.00	0.32	138.01	9	0.00	0.00	0.00	0.00	0.29	128.03
10	0.00	0.00	0.00	0.00	0.27	115.89	10	0.00	0.00	0.00	0.00	0.32	137.69	10	0.00	0.00	0.00	0.00	0.29	127.74
11	0.00	0.00	0.00	0.00	0.27	115.62	11	0.00	0.00	0.00	0.00	0.32	137.37	11	0.00	0.00	0.00	0.00	0.29	127.45
12	0.00	0.00	0.00	0.00	0.28	115.34	12	0.00	0.00	0.00	0.00	0.33	137.04	12	0.00	0.00	0.00	0.00	0.31	127.14
13	0.00	0.00	0.00	0.00	0.34	115.00	13	0.00	0.00	0.00	0.00	0.40	136.64	13	0.00	0.00	0.00	0.00	0.37	126.77
14	0.00	0.00	0.00	0.00	0.47	114.53	14	0.00	0.00	0.00	0.00	0.56	136.08	14	0.00	0.00	0.00	0.00	0.52	126.25
15	0.00	0.00	0.00	0.00	0.39	114.14	15	0.00	0.00	0.00	0.00	0.46	135.62	15	0.00	0.00	0.00	0.00	0.43	125.82
16	0.00	0.00	0.00	0.00	0.29	113.85	16	0.00	0.00	0.00	0.00	0.35	135.27	16	0.00	0.00	0.00	0.00	0.32	125.50
17	0.00	0.00	0.00	0.00	0.29	113.56	17	0.00	0.00	0.00	0.00	0.35	134.92	17	0.00	0.00	0.00	0.00	0.32	125.18
18	0.00	0.00	0.00	0.00	0.29	113.27	18	0.00	0.00	0.00	0.00	0.35	134.57	18	0.00	0.00	0.00	0.00	0.32	124.86
19	0.00	0.00	0.00	0.00	0.23	113.04	19	0.00	0.00	0.00	0.00	0.28	134.29	19	0.00	0.00	0.00	0.00	0.26	124.60
20	0.00	0.00	0.00	0.00	0.27	112.77	20	0.00	0.00	0.00	0.00	0.33	133.96	20	0.00	0.00	0.00	0.00	0.30	124.30
21	0.00	0.00	0.00	0.00	0.25	112.52	21	0.00	0.00	0.00	0.00	0.30	133.66	21	0.00	0.00	0.00	0.00	0.28	124.02
22	0.00	0.00	0.00	0.00	0.11	112.41	22	0.00	0.00	0.00	0.00	0.13	133.53	22	0.00	0.00	0.00	0.00	0.12	123.90
23	0.00	0.00	0.00	0.00	0.27	112.14	23	0.00	0.00	0.00	0.00	0.32	133.21	23	0.00	0.00	0.00	0.00	0.29	123.61
24	0.00	0.00	0.00	0.00	0.27	111.87	24	0.00	0.00	0.00	0.00	0.32	132.89	24	0.00	0.00	0.00	0.00	0.29	123.32
25	0.00	0.00	0.00	0.00	0.26	111.61	25	0.00	0.00	0.00	0.00	0.31	132.58	25	0.00	0.00	0.00	0.00	0.28	123.04
26	0.00	0.00	0.00	0.00	0.38	111.23	26	0.00	0.00	0.00	0.00	0.45	132.13	26	0.00	0.00	0.00	0.00	0.42	122.62
27	0.00	0.00	0.00	0.00	0.27	110.96	27	0.00	0.00	0.00	0.00	0.32	131.81	27	0.00	0.00	0.00	0.00	0.30	122.32
28	0.00	0.00	0.00	0.00	0.39	110.57	28	0.00	0.00	0.00	0.00	0.47	131.34	28	0.00	0.00	0.00	0.00	0.43	121.89
29	0.00	0.00	0.00	0.00	0.42	110.15	29	0.00	0.00	0.00	0.00	0.50	130.84	29	0.00	0.00	0.00	0.00	0.47	121.42
30	0.00	0.00	0.00	0.00	0.41	109.74	30	0.00	0.00	0.00	0.00	0.49	130.35	30	0.00	0.00				

Offset Account

October 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1460.83							254.22							0.00
1	7.70	0.00	0.00	0.00	5.53	1463.00	1	0.00	0.00	0.00	0.00	0.96	253.26	1	0.00	0.00	0.00	0.00	0.00	0.00
2	7.70	0.00	0.00	0.00	5.43	1465.27	2	0.00	0.00	0.00	0.00	0.94	252.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	7.70	0.00	0.00	0.00	1.83	1471.14	3	0.00	0.00	0.00	0.00	0.31	252.01	3	0.00	0.00	0.00	0.00	0.00	0.00
4	7.70	0.00	0.00	0.00	2.93	1475.91	4	0.00	0.00	0.00	0.00	0.51	251.50	4	0.00	0.00	0.00	0.00	0.00	0.00
5	7.98	0.00	0.00	0.00	3.85	1480.04	5	0.00	0.00	0.00	0.00	0.66	250.84	5	0.00	0.00	0.00	0.00	0.00	0.00
6	7.71	0.00	0.00	0.00	1.31	1486.44	6	0.00	0.00	0.00	0.00	0.22	250.62	6	0.00	0.00	0.00	0.00	0.00	0.00
7	7.70	0.00	0.00	0.00	2.75	1491.39	7	0.00	0.00	0.00	0.00	0.47	250.15	7	0.00	0.00	0.00	0.00	0.00	0.00
8	7.70	0.00	0.00	0.00	2.76	1496.33	8	0.00	0.00	0.00	0.00	0.47	249.68	8	0.00	0.00	0.00	0.00	0.00	0.00
9	7.70	0.00	0.00	0.00	2.76	1501.27	9	0.00	0.00	0.00	0.00	0.47	249.21	9	0.00	0.00	0.00	0.00	0.00	0.00
10	7.70	0.00	0.00	0.00	2.79	1506.18	10	0.00	0.00	0.00	0.00	0.47	248.74	10	0.00	0.00	0.00	0.00	0.00	0.00
11	7.70	0.00	0.00	0.00	3.08	1510.80	11	0.00	0.00	0.00	0.00	0.51	248.23	11	0.00	0.00	0.00	0.00	0.00	0.00
12	7.70	0.00	0.00	0.00	2.05	1516.45	12	0.00	0.00	0.00	0.00	0.33	247.90	12	0.00	0.00	0.00	0.00	0.00	0.00
13	7.70	0.00	0.00	0.00	1.91	1522.24	13	0.00	0.00	0.00	0.00	0.31	247.59	13	0.00	0.00	0.00	0.00	0.00	0.00
14	7.75	0.00	0.00	0.00	1.91	1528.08	14	0.00	0.00	0.00	0.00	0.31	247.28	14	0.00	0.00	0.00	0.00	0.00	0.00
15	7.70	0.00	0.00	0.00	1.92	1533.86	15	0.00	0.00	0.00	0.00	0.31	246.97	15	0.00	0.00	0.00	0.00	0.00	0.00
16	7.70	0.00	0.00	0.00	1.93	1539.63	16	0.00	0.00	0.00	0.00	0.31	246.66	16	0.00	0.00	0.00	0.00	0.00	0.00
17	7.75	0.00	0.00	0.00	2.07	1545.31	17	0.00	0.00	0.00	0.00	0.33	246.33	17	0.00	0.00	0.00	0.00	0.00	0.00
18	7.70	0.00	0.00	0.00	2.52	1550.49	18	0.00	0.00	0.00	0.00	0.40	245.93	18	0.00	0.00	0.00	0.00	0.00	0.00
19	7.70	0.00	0.00	0.00	2.09	1556.10	19	0.00	0.00	0.00	0.00	0.33	245.60	19	0.00	0.00	0.00	0.00	0.00	0.00
20	7.70	0.00	0.00	0.00	4.08	1559.72	20	0.00	0.00	0.00	0.00	0.65	244.95	20	0.00	0.00	0.00	0.00	0.00	0.00
21	7.70	0.00	0.00	0.00	5.14	1562.28	21	0.00	0.00	0.00	0.00	0.80	244.15	21	0.00	0.00	0.00	0.00	0.00	0.00
22	7.70	0.00	0.00	0.00	5.16	1564.82	22	0.00	0.00	0.00	0.00	0.80	243.35	22	0.00	0.00	0.00	0.00	0.00	0.00
23	7.70	0.00	0.00	0.00	5.34	1567.18	23	0.00	0.00	0.00	0.00	0.83	242.52	23	0.00	0.00	0.00	0.00	0.00	0.00
24	7.70	0.00	0.00	0.00	1.22	1573.66	24	0.00	0.00	0.00	0.00	0.19	242.33	24	0.00	0.00	0.00	0.00	0.00	0.00
25	7.70	0.00	0.00	0.00	2.00	1579.36	25	0.00	0.00	0.00	0.00	0.31	242.02	25	0.00	0.00	0.00	0.00	0.00	0.00
26	7.70	0.00	0.00	0.00	2.31	1584.75	26	0.00	0.00	0.00	0.00	0.35	241.67	26	0.00	0.00	0.00	0.00	0.00	0.00
27	6.83	0.00	0.00	0.00	4.04	1587.54	27	0.00	0.00	0.00	0.00	0.62	241.05	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.71	1585.83	28	0.00	0.00	0.00	0.00	0.25	240.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.71	1584.12	29	0.00	0.00	0.00	0.00	0.25	240.55	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.55	1582.57	30	0.00	0.00	0.00	0.00	0.23	240.32	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	3.12	1579.45	31	0.00	0.00	0.00	0.00	0.48	239.84	31	0.00	0.00	0.00	0.00	0.00	0.00
207.42	0.00	0.00	0.00	0.00	88.80		0.00	0.00	0.00	0.00	0.00	14.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1287.41							1018.31							14.88
1	7.70	0.00	0.00	0.00	4.87	1290.24	1	7.70	0.00	0.00	0.00	3.85	1022.16	1	0.00	0.00	0.00	0.00	0.06	14.82
2	7.70	0.00	0.00	0.00	4.78	1293.16	2	7.70	0.00	0.00	0.00	3.79	1026.07	2	0.00	0.00	0.00	0.00	0.05	14.77
3	7.70	0.00	0.00	0.00	1.61	1299.25	3	7.70	0.00	0.00	0.00	1.28	1032.49	3	0.00	0.00	0.00	0.00	0.02	14.75
4	7.70	0.00	0.00	0.00	2.58	1304.37	4	7.70	0.00	0.00	0.00	2.04	1038.15	4	0.00	0.00	0.00	0.00	0.03	14.72
5	7.98	0.00	0.00	0.00	3.41	1308.94	5	7.70	0.00	0.00	0.00	2.71	1043.14	5	0.28	0.00	0.00	0.00	0.04	14.96
6	7.71	0.00	0.00	0.00	1.15	1315.50	6	7.70	0.00	0.00	0.00	0.92	1049.92	6	0.01	0.00	0.00	0.00	0.01	14.96
7	7.70	0.00	0.00	0.00	2.43	1320.77	7	7.70	0.00	0.00	0.00	1.93	1055.69	7	0.00	0.00	0.00	0.00	0.03	14.93
8	7.70	0.00	0.00	0.00	2.44	1326.03	8	7.70	0.00	0.00	0.00	1.94	1061.45	8	0.00	0.00	0.00	0.00	0.03	14.90
9	7.70	0.00	0.00	0.00	2.45	1331.28	9	7.70	0.00	0.00	0.00	1.95	1067.20	9	0.00	0.00	0.00	0.00	0.03	14.87
10	7.70	0.00	0.00	0.00	2.47	1336.51	10	7.70	0.00	0.00	0.00	1.97	1072.93	10	0.00	0.00	0.00	0.00	0.03	14.84
11	7.70	0.00	0.00	0.00	2.73	1341.48	11	7.70	0.00	0.00	0.00	2.19	1078.44	11	0.00	0.00	0.00	0.00	0.03	14.81
12	7.70	0.00	0.00	0.00	1.82	1347.36	12	7.70	0.00	0.00	0.00	1.47	1084.67	12	0.00	0.00	0.00	0.00	0.02	14.79
13	7.70	0.00	0.00	0.00	1.70	1353.36	13	7.70	0.00	0.00	0.00	1.37	1091.00	13	0.00	0.00	0.00	0.00	0.02	14.77
14	7.75	0.00	0.00	0.00	1.70	1359.41	14	7.70	0.00	0.00	0.00	1.37	1097.33	14	0.05	0.00	0.00	0.00	0.02	14.80
15	7.70	0.00	0.00	0.00	1.71	1365.40	15	7.70	0.00	0.00	0.00	1.38	1103.65	15	0.00	0.00	0.00	0.00	0.02	14.78
16	7.70	0.00	0.00	0.00	1.72	1371.38	16	7.70	0.00	0.00	0.00	1.39	1109.96	16	0.00	0.00	0.00	0.00	0.02	14.76
17	7.75	0.00	0.00	0.00	1.85	1377.28	17	7.70	0.00	0.00	0.00	1.50	1116.16	17	0.05	0.00	0.00	0.00	0.02	14.79
18	7.70	0.00	0.00	0.00	2.25	1382.73	18	7.70	0.00	0.00	0.00	1.83	1122.03	18	0.00	0.00	0.00	0.00	0.02	14.77
19	7.70	0.00	0.00	0.00	1.87	1388.56	19	7.70	0.00	0.00	0.00	1.52	1128.21	19	0.00	0.00	0.00	0.00	0.02	14.75
20	7.70	0.00	0.00	0.00	3.64	1392.62	20	7.70	0.00	0.00	0.00	2.95	1132.96	20	0.00	0.00	0.00	0.00	0.04	14.71
21	7.70	0.00	0.00	0.00	4.59	1395.73	21	7.70	0.00	0.00	0.00	3.74	1136.92	21	0.00	0.00	0.00	0.00	0.05	14.66
22	7.70	0.00	0.00	0.00	4.61	1398.82	22	7.70	0.00	0.00	0.00	3.76	1140.86	22	0.00	0.00	0.00	0.00	0.05	14.61
23	7.70	0.00	0.00	0.00	4.77	1401.75	23	7.70	0.00	0.00	0.00	3.89	1144.67	23	0.00	0.00	0.00	0.00	0.05	14.56
24	7.70	0.00	0.00	0.00	1.09	1408.36	24	7.70	0.00	0.00	0.00	0.89	1151.48	24	0.00	0.00	0.00	0.00	0.01	14.55
25	7.70	0.00	0.00	0.00	1.79	1414.27	25	7.70	0.00	0.00	0.00	1.46	1157.72	25	0.00	0.00	0.00	0.00	0.02	14.53
26	7.70	0.00	0.00	0.00	2.07	1419.90	26	7.70	0.00	0.00	0.00	1.70	1163.72	26	0.00	0.00	0.00	0.00	0.02	14.51
27	6.83	0.00	0.00	0.00	3.62	1423.11	27	6.83	0.00	0.00	0.00	2.96	1167.59	27	0.00	0.00	0.00	0.00	0.04	14.47
28	0.00	0.00	0.00	0.00	1.53	1421.58	28	0.00	0.00	0.00	0.00	1.26	1166.33	28	0.00	0.00	0.00	0.00	0.02	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.42							63.68							2.91
1	0.00	0.00	0.00	0.00	0.66	172.76	1	0.00	0.00	0.00	0.00	0.24	63.44	1	0.00	0.00	0.00	0.00	0.01	2.90
2	0.00	0.00	0.00	0.00	0.65	172.11	2	0.00	0.00	0.00	0.00	0.24	63.20	2	0.00	0.00	0.00	0.00	0.01	2.89
3	0.00	0.00	0.00	0.00	0.22	171.89	3	0.00	0.00	0.00	0.00	0.08	63.12	3	0.00	0.00	0.00	0.00	0.00	2.89
4	0.00	0.00	0.00	0.00	0.35	171.54	4	0.00	0.00	0.00	0.00	0.13	62.99	4	0.00	0.00	0.00	0.00	0.01	2.88
5	0.00	0.00	0.00	0.00	0.44	171.10	5	0.00	0.00	0.00	0.00	0.16	62.83	5	0.00	0.00	0.00	0.00	0.01	2.87
6	0.00	0.00	0.00	0.00	0.16	170.94	6	0.00	0.00	0.00	0.00	0.06	62.77	6	0.00	0.00	0.00	0.00	0.00	2.87
7	0.00	0.00	0.00	0.00	0.32	170.62	7	0.00	0.00	0.00	0.00	0.12	62.65	7	0.00	0.00	0.00	0.00	0.01	2.86
8	0.00	0.00	0.00	0.00	0.32	170.30	8	0.00	0.00	0.00	0.00	0.12	62.53	8	0.00	0.00	0.00	0.00	0.01	2.85
9	0.00	0.00	0.00	0.00	0.31	169.99	9	0.00	0.00	0.00	0.00	0.11	62.42	9	0.00	0.00	0.00	0.00	0.01	2.84
10	0.00	0.00	0.00	0.00	0.32	169.67	10	0.00	0.00	0.00	0.00	0.12	62.30	10	0.00	0.00	0.00	0.00	0.01	2.83
11	0.00	0.00	0.00	0.00	0.35	169.32	11	0.00	0.00	0.00	0.00	0.13	62.17	11	0.00	0.00	0.00	0.00	0.01	2.82
12	0.00	0.00	0.00	0.00	0.23	169.09	12	0.00	0.00	0.00	0.00	0.08	62.09	12	0.00	0.00	0.00	0.00	0.00	2.82
13	0.00	0.00	0.00	0.00	0.21	168.88	13	0.00	0.00	0.00	0.00	0.08	62.01	13	0.00	0.00	0.00	0.00	0.00	2.82
14	0.00	0.00	0.00	0.00	0.21	168.67	14	0.00	0.00	0.00	0.00	0.08	61.93	14	0.00	0.00	0.00	0.00	0.00	2.82
15	0.00	0.00	0.00	0.00	0.21	168.46	15	0.00	0.00	0.00	0.00	0.08	61.85	15	0.00	0.00	0.00	0.00	0.00	2.82
16	0.00	0.00	0.00	0.00	0.21	168.25	16	0.00	0.00	0.00	0.00	0.08	61.77	16	0.00	0.00	0.00	0.00	0.00	2.82
17	0.00	0.00	0.00	0.00	0.22	168.03	17	0.00	0.00	0.00	0.00	0.08	61.69	17	0.00	0.00	0.00	0.00	0.00	2.82
18	0.00	0.00	0.00	0.00	0.27	167.76	18	0.00	0.00	0.00	0.00	0.10	61.59	18	0.00	0.00	0.00	0.00	0.00	2.82
19	0.00	0.00	0.00	0.00	0.22	167.54	19	0.00	0.00	0.00	0.00	0.08	61.51	19	0.00	0.00	0.00	0.00	0.00	2.82
20	0.00	0.00	0.00	0.00	0.44	167.10	20	0.00	0.00	0.00	0.00	0.16	61.35	20	0.00	0.00	0.00	0.00	0.01	2.81
21	0.00	0.00	0.00	0.00	0.55	166.55	21	0.00	0.00	0.00	0.00	0.20	61.15	21	0.00	0.00	0.00	0.00	0.01	2.80
22	0.00	0.00	0.00	0.00	0.55	166.00	22	0.00	0.00	0.00	0.00	0.20	60.95	22	0.00	0.00	0.00	0.00	0.01	2.79
23	0.00	0.00	0.00	0.00	0.57	165.43	23	0.00	0.00	0.00	0.00	0.21	60.74	23	0.00	0.00	0.00	0.00	0.01	2.78
24	0.00	0.00	0.00	0.00	0.13	165.30	24	0.00	0.00	0.00	0.00	0.05	60.69	24	0.00	0.00	0.00	0.00	0.00	2.78
25	0.00	0.00	0.00	0.00	0.21	165.09	25	0.00	0.00	0.00	0.00	0.08	60.61	25	0.00	0.00	0.00	0.00	0.00	2.78
26	0.00	0.00	0.00	0.00	0.24	164.85	26	0.00	0.00	0.00	0.00	0.09	60.52	26	0.00	0.00	0.00	0.00	0.00	2.78
27	0.00	0.00	0.00	0.00	0.42	164.43	27	0.00	0.00	0.00	0.00	0.15	60.37	27	0.00	0.00	0.00	0.00	0.01	2.77
28	0.00	0.00	0.00	0.00	0.18	164.25	28	0.00	0.00	0.00	0.00	0.07	60.30	28	0.00	0.00	0.00	0.00	0.00	2.77
29	0.00	0.00	0.00	0.00	0.18	164.07	29	0.00	0.00	0.00	0.00	0.07	60.23	29	0.00	0.00	0.00	0.00	0.00	2.77
30	0.00	0.00	0.00	0.00	0.16	163.91	30	0.00	0.00	0.00	0.00	0.06	60.17	30	0.00	0.00	0.00	0.00	0.00	2.77
31	0.00	0.00	0.00	0.00	0.32	163.59	31	0.00	0.00	0.00	0.00	0.12	60.05	31	0.00	0.00	0.00	0.00	0.01	2.76
	0.00	0.00	0.00	0.00	9.83			0.00	0.00	0.00	0.00	3.63		0.00	0.00	0.00	0.00	0.00	0.15	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						109.74							130.35							120.96
1	0.00	0.00	0.00	0.00	0.42	109.32	1	0.00	0.00	0.00	0.00	0.49	129.86	1	0.00	0.00	0.00	0.00	0.46	120.50
2	0.00	0.00	0.00	0.00	0.41	108.91	2	0.00	0.00	0.00	0.00	0.48	129.38	2	0.00	0.00	0.00	0.00	0.45	120.05
3	0.00	0.00	0.00	0.00	0.14	108.77	3	0.00	0.00	0.00	0.00	0.16	129.22	3	0.00	0.00	0.00	0.00	0.15	119.90
4	0.00	0.00	0.00	0.00	0.22	108.55	4	0.00	0.00	0.00	0.00	0.26	128.96	4	0.00	0.00	0.00	0.00	0.24	119.66
5	0.00	0.00	0.00	0.00	0.28	108.27	5	0.00	0.00	0.00	0.00	0.34	128.62	5	0.00	0.00	0.00	0.00	0.31	119.35
6	0.00	0.00	0.00	0.00	0.10	108.17	6	0.00	0.00	0.00	0.00	0.11	128.51	6	0.00	0.00	0.00	0.00	0.11	119.24
7	0.00	0.00	0.00	0.00	0.20	107.97	7	0.00	0.00	0.00	0.00	0.24	128.27	7	0.00	0.00	0.00	0.00	0.22	119.02
8	0.00	0.00	0.00	0.00	0.20	107.77	8	0.00	0.00	0.00	0.00	0.24	128.03	8	0.00	0.00	0.00	0.00	0.22	118.80
9	0.00	0.00	0.00	0.00	0.20	107.57	9	0.00	0.00	0.00	0.00	0.24	127.79	9	0.00	0.00	0.00	0.00	0.22	118.58
10	0.00	0.00	0.00	0.00	0.20	107.37	10	0.00	0.00	0.00	0.00	0.24	127.55	10	0.00	0.00	0.00	0.00	0.22	118.36
11	0.00	0.00	0.00	0.00	0.22	107.15	11	0.00	0.00	0.00	0.00	0.26	127.29	11	0.00	0.00	0.00	0.00	0.24	118.12
12	0.00	0.00	0.00	0.00	0.15	107.00	12	0.00	0.00	0.00	0.00	0.17	127.12	12	0.00	0.00	0.00	0.00	0.16	117.96
13	0.00	0.00	0.00	0.00	0.13	106.87	13	0.00	0.00	0.00	0.00	0.16	126.96	13	0.00	0.00	0.00	0.00	0.15	117.81
14	0.00	0.00	0.00	0.00	0.13	106.74	14	0.00	0.00	0.00	0.00	0.16	126.80	14	0.00	0.00	0.00	0.00	0.15	117.66
15	0.00	0.00	0.00	0.00	0.13	106.61	15	0.00	0.00	0.00	0.00	0.16	126.64	15	0.00	0.00	0.00	0.00	0.15	117.51
16	0.00	0.00	0.00	0.00	0.13	106.48	16	0.00	0.00	0.00	0.00	0.16	126.48	16	0.00	0.00	0.00	0.00	0.15	117.36
17	0.00	0.00	0.00	0.00	0.14	106.34	17	0.00	0.00	0.00	0.00	0.17	126.31	17	0.00	0.00	0.00	0.00	0.16	117.20
18	0.00	0.00	0.00	0.00	0.17	106.17	18	0.00	0.00	0.00	0.00	0.21	126.10	18	0.00	0.00	0.00	0.00	0.19	117.01
19	0.00	0.00	0.00	0.00	0.14	106.03	19	0.00	0.00	0.00	0.00	0.17	125.93	19	0.00	0.00	0.00	0.00	0.16	116.85
20	0.00	0.00	0.00	0.00	0.28	105.75	20	0.00	0.00	0.00	0.00	0.33	125.60	20	0.00	0.00	0.00	0.00	0.31	116.54
21	0.00	0.00	0.00	0.00	0.35	105.40	21	0.00	0.00	0.00	0.00	0.41	125.19	21	0.00	0.00	0.00	0.00	0.38	116.16
22	0.00	0.00	0.00	0.00	0.35	105.05	22	0.00	0.00	0.00	0.00	0.41	124.78	22	0.00	0.00	0.00	0.00	0.38	115.78
23	0.00	0.00	0.00	0.00	0.36	104.69	23	0.00	0.00	0.00	0.00	0.43	124.35	23	0.00	0.00	0.00	0.00	0.39	115.39
24	0.00	0.00	0.00	0.00	0.08	104.61	24	0.00	0.00	0.00	0.00	0.10	124.25	24	0.00	0.00	0.00	0.00	0.09	115.30
25	0.00	0.00	0.00	0.00	0.13	104.48	25	0.00	0.00	0.00	0.00	0.16	124.09	25	0.00	0.00	0.00	0.00	0.15	115.15
26	0.00	0.00	0.00	0.00	0.15	104.33	26	0.00	0.00	0.00	0.00	0.18	123.91	26	0.00	0.00	0.00	0.00	0.17	114.98
27	0.00	0.00	0.00	0.00	0.27	104.06	27	0.00	0.00	0.00	0.00	0.32	123.59	27	0.00	0.00	0.00	0.00	0.29	114.69
28	0.00	0.00	0.00	0.00	0.11	103.95	28	0.00	0.00	0.00	0.00	0.13	123.46	28	0.00	0.00	0.00	0.00	0.12	114.57
29	0.00	0.00	0.00	0.00	0.11	103.84	29	0.00	0.00	0.00										

Section 3



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

February 10, 2022

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 water from the Colorado Downstream Consumable Account to the Kansas Consumable Subaccount per the provisions of Paragraph 5 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 Saturday, March 12, 2022.

The purpose of this transfer is to replace depletions in December 2021 at the state line caused by well pumping pursuant to Paragraph 5 of the Resolution. A total of 182.86 acre-feet will be transferred to the Kansas Consumable Subaccount.

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





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 11, 2022

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 water from the Colorado Downstream Consumable Account to the Kansas Consumable Subaccount per the provisions of Paragraph 5 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 Sunday, April 10, 2022.

The purpose of this transfer is to replace 671.84 acre-feet of depletions in January 2022 at the state line caused by well pumping pursuant to Paragraph 5 of the Resolution. In addition, after rebalancing LAWMA’s accounting to include pumping and depletions for the month of January, there were an additional 18.26 acre-feet of stateline depletions in the month of December 2021. A total of 690.10 acre-feet will be transferred to the Kansas Consumable Subaccount.

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





Kevin Salter
Kansas Department of Agriculture (By EMail)

March 11, 2022

Subject: Transfer Out of the Upstream Consumable Account

Dear Kevin,

The purpose of this letter is to provide notice of 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 Arkansas Groundwater and Reservoir Association (AGRA) 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 (CAA) 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 1.13 acre-feet and the transfer will be recorded in the JMAS accounting for December 5, 2021. This transfer was for November 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
Phil Reynolds
Bethany Arnold





Kevin Salter
Kansas Department of Agriculture (By Email)

March 11, 2022

Subject: Transfer Out of the Upstream Consumable Account

Dear Kevin,

The purpose of this letter is to provide notice of 2 transfers 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”). The first transfer was requested by Arkansas Groundwater and Reservoir Association (AGRA) 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 (CAA) 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 8.7 acre-feet for CAA out of the AGRA Upstream Consumable subaccount recorded on December 22, 2021. This transfer was for December winter return flow obligations.

The second transfer was requested by Arkansas Groundwater and Reservoir Association (AGRA) 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 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 343.57 acre-feet and the transfer will be recorded in the JMAS accounting for December 30, 2021. This transfer was for November 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
Phil Reynolds
Bethany Arnold





Kevin Salter
Kansas Department of Agriculture (By Email)

March 11, 2022

Subject: Transfer Out of the Upstream Consumable Account

Dear Kevin,

The purpose of this letter is to provide notice of 1 transfers 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”). The first transfer was requested by Arkansas Groundwater and Reservoir Association (AGRA) 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 (CAA) 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 16.54 acre-feet for CAA out of the AGRA Upstream Consumable subaccount into the CAA Upstream Consumable Subaccount recorded on January 28, 2022. CAA then transferred 16.54 acre-feet out of the CAA Upstream Consumable subaccount. This transfer was for January winter return flow obligations.

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
Phil Reynolds
Bethany Arnold





March 21, 2022

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

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir – Kansas Consumable

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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

March 12, 2022 transfer:

Lower Arkansas Water Management Association (LAWMA) transferred 182.86 acre-feet of consumable water within the Offset Account on March 12, 2022.

In order to accomplish the foregoing, a total of 182.86 acre-feet of water was transferred from the Colorado Downstream Consumable Subaccount into the Kansas Consumable Subaccount. A daily accounting sheet for John Martin Reservoir for March 12th is included in Enclosure 1.

This transfer was done pursuant to the provisions of Paragraph 5 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** which includes provisions for how evaporation is to be charged to water in the various subaccounts of the Offset Account.

Water transferred to the Kansas Consumable subaccount may also become subject to the provisions of Paragraph 4 of 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.

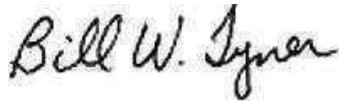


Summary

This letter summarizes transfers within the Offset Account for LAWMA to date in 2022. The total amount of water delivered to the Offset Account on the above date was 182.86 acre-feet. Total consumable water delivered was 182.86 acre-feet.

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

Sincerely,



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 Randy Hendrix Dan Steuer Bethany Arnold
 Phil Reynolds

Enclosure 1

Daily Accounting for John Martin Reservoir on March 12, 2022

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
		Totals:	39,948.00	454.18	292.63	292.63	0.00	39.18	40,363.00
Colorado Article II Summary									
	Keesee	3/12/2022	196.60	0.00	0.00	0.00	0.00	0.19	196.41
	Ft Bent	3/12/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Amity	3/12/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lamar	3/12/2022	0.04	0.00	0.00	0.00	0.00	0.00	0.04
	Hyde	3/12/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	X-Y	3/12/2022	3,972.79	0.00	0.00	0.00	0.00	3.90	3,968.89
	Buffalo	3/12/2022	1,801.94	0.00	0.00	0.00	0.00	1.77	1,800.17
	Sisson	3/12/2022	92.36	0.00	0.00	0.00	0.00	0.09	92.27
	Stubbs	3/12/2022	11.05	0.00	0.00	0.00	0.00	0.01	11.04
	Manvel	3/12/2022	3,029.11	0.00	0.00	0.00	0.00	2.96	3,026.15
	Colorado Article II	Totals:	9,103.89	0.00	0.00	0.00	0.00	8.92	9,094.97



March 31, 2022

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, 2022.

Colorado Downstream Consumable Water Subaccount	Approximately 2,563 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 2022 irrigation season. The accounting spreadsheet for the operation of the Highland Canal water right for 2022 will be provided electronically.

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

Sincerely,

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





March 31, 2022

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 2021 SWSP application, (2022 approval anticipated to be final April 1, 2022). Appropriate terms and conditions were included for use of the water rights in the SWSP and will be also included in the 2022-23 Rule 14 Plan approval. The delivery is ongoing after the diversions started on March 15, 2022.

Colorado Upstream Consumable Water Subaccount	Approximately 0 acre-feet
Colorado Downstream Consumable Water Subaccount	Approximately 1,325 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 2022 irrigation season. The accounting spreadsheet for the operation of the Fort Lyon Canal water right for 2022 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

March 31, 2022

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 2022 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 1,538 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 2022 irrigation season. The accounting spreadsheet for the operation of the Keesee Ditch water right for 2022 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





March 31, 2022

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 500.0 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 X-Y Article II account to fulfill the storage charge for 2022.

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, 821.01 acre-feet of water will be transferred from LAWMA's X-Y Article II account. The following distribution of the 821.01 acre-feet will be made in the Offset Account.

On March 31, 2022:

Kansas Charge Water Subaccount	500.00 acre-feet
Return Flow Subaccount	283.25 acre-feet
Return Flow Transit Loss Subaccount	26.27 acre-feet

Additionally on March 31, 2022, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Buffalo Winter Stored Subaccount	11.49 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





May 4, 2022

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

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir – Kansas Charge

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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

March 31, 2022 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **809.52 acre-feet** of consumable water to the Offset Account on March 31, 2022 in order to complete the initial storage charge for 2022-23. No 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 500.00 acre-feet.
- 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 **809.52 acre-feet** of water was transferred from LAWMA’s X-Y Article II account. A daily accounting sheet for John Martin Reservoir for March 31, 2022 is included in Enclosure 1.

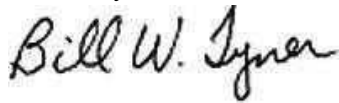


Summary

This letter summarizes the transfer into the Offset Account for LAWMA on April 31, 2022. The total amount of water transferred into the Offset Account on the above date was 809.52 acre-feet. Total consumable water delivered was 500.00 acre-feet and total return flow water delivered was 309.52 acre-feet. The Return Flow Transit loss subaccount total was 26.27 acre-feet.

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

Sincerely,



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 Randy Hendrix Ayrton Hendrix Dan Steuer
Bethany Arnold

Enclosure 1

Daily Accounting for John Martin Reservoir on March 31, 2022

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
		Totals:	44,613.00	86.16	821.01	821.01	0.00	53.16	44,646.00
Colorado Article II Summary									
	Keesee	3/31/2022	245.78	0.00	0.00	0.00	0.00	0.30	245.48
	Ft Bent	3/31/2022	226.81	0.00	0.00	0.00	0.00	0.27	226.54
	Amity	3/31/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lamar	3/31/2022	453.65	0.00	0.00	0.00	0.00	0.54	453.11
	Hyde	3/31/2022	29.76	0.00	0.00	0.00	0.00	0.04	29.72
	X-Y	3/31/2022	4,018.64	0.00	0.00	821.01	0.00	4.79	3,192.84
	Buffalo	3/31/2022	1,964.46	0.00	11.49	0.00	0.00	2.35	1,973.60
	Sisson	3/31/2022	118.12	0.00	0.00	0.00	0.00	0.14	117.98
	Stubbs	3/31/2022	10.86	0.00	0.00	0.00	0.00	0.01	10.85
	Manvel	3/31/2022	3,030.02	0.00	0.00	0.00	0.00	3.61	3,026.41
	Colorado Article II	Totals:	10,098.10	0.00	11.49	821.01	0.00	12.05	9,276.53



May, 4 2022

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

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir – Kansas Consumable

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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

April 10, 2022 transfer:

Lower Arkansas Water Management Association (LAWMA) transferred 690.10 acre-feet of consumable water within the Offset Account on April 10, 2022.

In order to accomplish the foregoing, a total of 690.10 acre-feet of water was transferred from the Colorado Downstream Consumable Subaccount into the Kansas Consumable Subaccount. A daily accounting sheet for John Martin Reservoir for April 10th is included in Enclosure 1.

This transfer was done pursuant to the provisions of Paragraph 5 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** which includes provisions for how evaporation is to be charged to water in the various subaccounts of the Offset Account.

Water transferred to the Kansas Consumable subaccount may also become subject to the provisions of Paragraph 4 of 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.

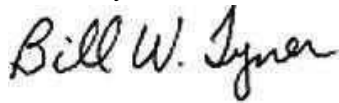


Summary

This letter summarizes the transfer within the Offset Account for LAWMA on April 10, 2022. The total amount of water delivered to the Offset Account on the above date was 690.10 acre-feet. Total consumable water delivered was 690.10 acre-feet.

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

Sincerely,



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	Randy Hendrix	Ayrton Hendrix	Dan Steuer
	Bethany Arnold	Phil Reynolds	Lonnie Spady	

Enclosure 1

Daily Accounting for John Martin Reservoir on April 10, 2022

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
		Totals:	45,086.00	53.41	2,673.60	2,673.60	0.00	53.42	45,086.00
Colorado Article II Summary									
	Keesee	4/10/2022	306.67	0.00	27.37	0.00	0.00	0.37	333.67
	Ft Bent	4/10/2022	498.80	0.00	117.82	0.00	0.00	0.59	616.03
	Amity	4/10/2022	1,373.41	0.00	589.10	0.00	0.00	1.63	1,960.88
	Lamar	4/10/2022	997.64	0.00	235.64	0.00	0.00	1.18	1,232.10
	Hyde	4/10/2022	65.45	0.00	15.47	0.00	0.00	0.08	80.84
	X-Y	4/10/2022	3,300.40	0.00	60.70	0.00	0.00	3.91	3,357.19
	Buffalo	4/10/2022	2,188.43	0.00	101.16	0.00	0.00	2.59	2,287.00
	Sisson	4/10/2022	150.02	0.00	14.28	0.00	0.00	0.18	164.12
	Stubbs	4/10/2022	10.76	0.00	0.00	0.00	0.00	0.01	10.75
	Manvel	4/10/2022	3,060.80	0.00	28.56	0.00	0.00	3.63	3,085.73
	Colorado Article II	Totals:	11,952.38	0.00	1,190.10	0.00	0.00	14.17	13,128.31



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

May 4, 2022

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 water from the Colorado Downstream Consumable Account to the Kansas Consumable Subaccount per the provisions of Paragraph 5 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 Friday, June 3, 2022.

The purpose of this transfer is to replace 471.73 acre-feet of depletions in February 2022 and 646.91 acre-feet of depletions in March 2022 at the state line caused by well pumping pursuant to Paragraph 5 of the Resolution. A total of 1,118.64 acre-feet will be transferred to the Kansas Consumable Subaccount.

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





May 4, 2022

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 Catlin Augmentation Association (CAA) will deliver fully consumable water associated with the Catlin 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 Catlin Canal water right is not needed for in-state replacement. The delivery will only occur from those augmentation stations described in 12CW84 above John Martin Dam as described in the engineering analysis and approved per the 2022 SWSP application. Appropriate terms and conditions were included for use of the water rights in the SWSP and will be also included in the 2022-23 Rule 14 Plan approval. The delivery is ongoing after the diversions started on May 1, 2022.

Colorado Upstream Consumable Water Subaccount	Approximately 124 acre-feet
Colorado Downstream Consumable Water Subaccount	Approximately 6 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 2022 irrigation season. The accounting spreadsheet for the operation of the Catlin Canal water right for 2022 will be provided electronically.

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

Sincerely,

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





May 20, 2022

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-Consumable-Downstream, in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Keesee, X-Y, Sisson and Stubbs Canals Section II Accounts on May 23, 2022 and will transfer the corresponding return flow components 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").

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, 2966.65 acre-feet of water will be transferred from LAWMA's Keesee, X-Y, Sisson and Stubbs Section II accounts. The following distribution of the 2966.65 acre-feet will be made in the Offset Account:

On May 20, 2022:

Colorado Downstream Consumable Subaccount	1831.21 acre-feet
Return Flow Subaccount	891.97 acre-feet
Return Flow Transit Loss Subaccount	86.40 acre-feet

Additionally on May 23, 2022, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Amity Winter Stored Subaccount	71.15 acre-feet
Lamar Winter Stored Subaccount	40.17 acre-feet
Fort Bent Winter Stored Subaccount	14.52 acre-feet
Buffalo Winter Stored Subaccount	31.23 acre-feet



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

Sincerely,

A handwritten signature in blue ink that reads "Rachel A. Zancanella". The signature is written in a cursive style with a large, stylized initial 'R'.

Rachel A. Zancanella
Assistant Division Engineer



May 30, 2022

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-Consumable-Downstream, in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the X-Y Canal Section II Accounts on May 31, 2022 and will transfer the corresponding return flow components 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").

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, 1,266 acre-feet of water will be transferred from LAWMA's X-Y Section II accounts. The following distribution of the 1,266 acre-feet will be made in the Offset Account:

On May 31, 2022:

Colorado Downstream Consumable Subaccount	771 acre-feet
Return Flow Subaccount	437 acre-feet
Return Flow Transit Loss Subaccount	41 acre-feet

Additionally on May 31, 2022, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Buffalo Winter Stored Subaccount	18 acre-feet
----------------------------------	--------------



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

Sincerely,

A handwritten signature in blue ink that reads "Rachel A. Zancanella". The signature is written in a cursive style with a large, stylized initial 'R'.

Rachel A. Zancanella
Assistant Division Engineer



May 31, 2022

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

Subject: Notice of Transfer to 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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

May 22, 2022 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **1,831.21 acre-feet** of water to the Offset Account on May 22, 2022 in order to prepare to replace the deficit anticipated with the 2021 H-I Model run. The original notice stated the transfer would take place on May 23, 2022. This total was broken into the following components:

- The Colorado Consumable subaccount received 1,831.21 acre-feet.
- The Return Flow Transit Loss Subaccount received 86.41 acre-feet.
- The Return Flow Subaccount received 891.66 acre-feet.

In order to accomplish the foregoing, a total of **2,809.28 acre-feet** of water was transferred from LAWMA’s X-Y, Keesee, Stubbs and Sisson Article II accounts. A daily accounting sheet for John Martin Reservoir for May 22, 2022 is included in Enclosure 1.

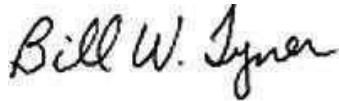


Summary

This letter summarizes the transfer into the Offset Account for LAWMA on May 22, 2022. The total amount of water transferred into the Offset Account on the above date was 2,809.28 acre-feet. Total consumable water delivered was 1,831.21 acre-feet and total return flow water delivered was 978.07 acre-feet. The Return Flow Transit loss subaccount total was 86.41 acre-feet.

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

Sincerely,



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	Randy Hendrix	Dan Steuer	Bethany Arnold
	Phil Reynolds	Ayrton Hendrix		

Enclosure 1

Daily Accounting for John Martin Reservoir on May 22, 2022

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Reservoir	Totals:	29,927.10	10.49	2,966.52	2,966.52	289.67	38.80	29,609.12
Colorado Article II Summary								
Keesee	5/22/2022	485.42	0.00	0.00	484.79	0.00	0.63	0.00
Ft Bent	5/22/2022	236.80	0.00	14.55	0.00	26.95	0.31	224.09
Amity	5/22/2022	0.00	0.00	71.26	0.00	0.00	0.00	71.26
Lamar	5/22/2022	0.00	0.00	40.24	0.00	0.00	0.00	40.24
Hyde	5/22/2022	153.53	0.00	0.00	0.00	8.50	0.20	144.83
X-Y	5/22/2022	3,521.31	0.00	0.00	2,227.95	0.00	4.56	1,288.80
Buffalo	5/22/2022	1,268.26	0.00	31.19	0.00	0.00	1.64	1,297.81
Sisson	5/22/2022	244.03	0.00	0.00	243.72	0.00	0.31	0.00
Stubbs	5/22/2022	10.07	0.00	0.00	10.06	0.00	0.01	0.00
Manvel	5/22/2022	3,063.66	0.00	0.00	0.00	0.00	3.98	3,059.68
Colorado Article II	Totals:	8,983.08	0.00	157.24	2,966.52	35.45	11.64	6,126.71



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

May 31, 2022

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

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

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. On behalf of The Lower Arkansas Water Management Association (LAWMA), Colorado Springs Utilities will deliver 250 acre-feet 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") fully consumable water associated with changed Colorado Canal shares stored in Lake Meredith.

The delivery to the Offset Account will start at 1600 on May 31, 2022 at a rate of 283.84 cfs (563 af/day), for 12 hours, concluding on June 1, 2022 at 04:00. The transit loss is calculated to be 12.6% from Lake Meredith to John Martin Reservoir for an anticipated net delivery of 250 Acre-Foot to the Offset Account.

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





June 3, 2022

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

Subject: Notice of Transfer to 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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

May 31, 2022 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **773.12 acre-feet** of water to the Offset Account on May 31, 2022 in order to prepare to replace the deficit anticipated with the 2021 H-I Model run. This total was broken into the following components:

- The Colorado Consumable subaccount received 773.12 acre-feet.
- The Return Flow Transit Loss Subaccount received 40.62 acre-feet.
- The Return Flow Subaccount received 437.97 acre-feet.

In order to accomplish the foregoing, a total of **1,251.72 acre-feet** of water was transferred from LAWMA’s X-Y Article II account. A daily accounting sheet for John Martin Reservoir for May 31, 2022 is included in Enclosure 1.

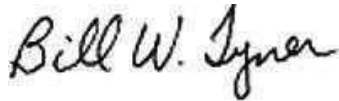


Summary

This letter summarizes the transfer into the Offset Account for LAWMA on May 31, 2022. The total amount of water transferred into the Offset Account on the above date was 1,251.72 acre-feet. Total consumable water delivered was 773.12 acre-feet and total return flow water delivered was 478.60 acre-feet. The Return Flow Transit loss subaccount total was 40.62 acre-feet.

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

Sincerely,



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	Randy Hendrix	Dan Steuer	Bethany Arnold
	Phil Reynolds	Ayrton Hendrix		

Enclosure 1

Daily Accounting for John Martin Reservoir on May 31, 2022

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
		Totals:	28,692.82	10.60	1,269.49	1,269.49	248.78	53.00	28,401.64
Colorado Article II Summary									
	Keesee	5/31/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ft Bent	5/31/2022	185.61	0.00	0.00	0.00	0.00	0.34	185.27
	Amity	5/31/2022	70.33	0.00	0.00	0.00	0.00	0.13	70.20
	Lamar	5/31/2022	39.72	0.00	0.00	0.00	0.00	0.07	39.65
	Hyde	5/31/2022	131.73	0.00	0.00	0.00	0.00	0.24	131.49
	X-Y	5/31/2022	1,271.83	0.00	0.00	1,269.49	0.00	2.34	0.00
	Buffalo	5/31/2022	1,280.72	0.00	17.77	0.00	0.00	2.40	1,296.09
	Sisson	5/31/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Stubbs	5/31/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Manvel	5/31/2022	3,019.37	0.00	0.00	0.00	0.00	5.58	3,013.79
	Colorado Article II	Totals:	5,999.31	0.00	17.77	1,269.49	0.00	11.10	4,736.49



July 15, 2022

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

Subject: Notice of Transfer to 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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

May 31, 2022 through June 3, 2022 delivery:

The Lower Arkansas Water Management Association (LAWMA) delivered **250.00 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **281.50 acre-feet** of consumable water was released from Colorado Springs Utilities (CS-U) account in Lake Meredith beginning on May 31, 2022 at a rate of 283.84 cfs. The computed transit loss for the release from the Lake Meredith outlet to John Martin was 12.6%. During this release operation, the outlet at Lake Meredith could not maintain the consistent flowrate of 283.84 cfs, but was able to release the full volumetric amount. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 1.

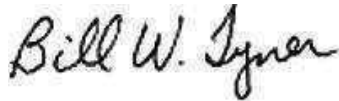


Summary

This letter summarizes a delivery to the Offset Account for LAWMA on May 31, 2022, 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 delivered to the Offset Account on the above dates was **250.0 acre-feet**. Total consumable water delivered was **250.0 acre-feet**.

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

Sincerely,



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	Randy Hendrix	Dan Steuer	Bethany Arnold
	Phil Reynolds	Ayrton Hendrix	Lonnie Spady	

Enclosure 1

Delivery Details LAWMA from Colorado Springs Utilities
May and June, 2022

	A	B	C	W	X
1	John Martin Reservoir WY				
2	2022				
3					
4	Label 1			Offset Consumable	LAWMA_Aurora
5	Label 2			Downstream	Aurora
6	Label 3				Offset Storage (DOWNSTRE
7	Date	Day	YrMo	Offset Consumable Downstream	Aurora Aurora Offset Storage (D
215	5/27/2022 0:00:00	Fri	202205		
216	5/28/2022 0:00:00	Sat	202205		
217	5/29/2022 0:00:00	Sun	202205		
218	5/30/2022 0:00:00	Mon	202205		
219	5/31/2022 0:00:00	Tue	202205		
220	6/1/2022 0:00:00	Wed	202206	208.33	Storage from Meredith for LAWMA
221	6/2/2022 0:00:00	Thu	202206	41.67	
222	6/3/2022 0:00:00	Fri	202206	0.00	
223	6/4/2022 0:00:00	Sat	202206		
224	6/5/2022 0:00:00	Sun	202206		
225	6/6/2022 0:00:00	Mon	202206		
226	6/7/2022 0:00:00	Tue	202206		
227	6/8/2022 0:00:00	Wed	202206		
228	6/9/2022 0:00:00	Thu	202206		



July 15, 2022

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

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 2022 in detail following the initial notice for each transaction originally sent to Kansas.

July 8, 2022 through July 15, 2022 delivery:

The Catlin Augmentation Association (CAA) delivered **97.79 acre-feet** of consumable water to the CAA Colorado Upstream Consumable subaccount.

In order to accomplish the foregoing, a total of **107.96 acre-feet** of consumable water was released from CAA’s account in Lake Meredith beginning on July 8, 2022 at 0:00 hours at a rate of 10 cfs. The computed transit loss for the release from the Lake Meredith outlet to John Martin was 10.4%. The inflows were stored in the CAA Colorado Upstream Consumable account. The original release from Lake Meredith was intended to go until July 15, 2022 with the entire release being stored in the Offset Account. The release was switched to river augmentation credit on July 13, 2022 at 12:00 hours at the request of CAA.

Due to a miscommunication with representatives from CAA, Colorado was unable to provide an Initial Notice of Delivery to the Offset Account Letter prior to this operation. On July 15, 2022, Colorado and Kansas conferred and agreed that this delivery was accepted without an initial notice and only a final notice would be sent.

Details of this delivery are included in Enclosure 1.

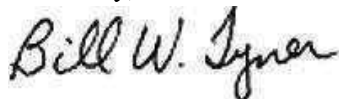


Summary

This letter summarizes a delivery to the Offset Account for CAA July 8, 2022. The total amount of water delivered to the Offset Account on the above dates was **97.79 acre-feet**. Total consumable water delivered was **97.79 acre-feet**.

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

Sincerely,



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

1 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Dan Tucker
	Rachel Zancanella	Kent Ricken	Dan Steuer	Bethany Arnold
	Phil Reynolds	Ivan Walter	Lonnie Spady	

Enclosure 1

Delivery Details CAA from Lake Meredith
July, 2022

	A	B	C	AO
1	John Martin Reservoir WY			
2	2022			
3				
4	Label 1			CAA
5	Label 2			Meredith Reservoir
6	Label 3			Offset Consumable Upstream
7	Date	Day	YrMo	th Reservoir Offset Consumab ▾
254	7/5/2022 0:00:00	Tue	202207	
255	7/6/2022 0:00:00	Wed	202207	
256	7/7/2022 0:00:00	Thu	202207	
257	7/8/2022 0:00:00	Fri	202207	
258	7/9/2022 0:00:00	Sat	202207	
259	7/10/2022 0:00:00	Sun	202207	17.78
260	7/11/2022 0:00:00	Mon	202207	17.78
261	7/12/2022 0:00:00	Tue	202207	17.78
262	7/13/2022 0:00:00	Wed	202207	17.78
263	7/14/2022 0:00:00	Thu	202207	17.78
264	7/15/2022 0:00:00	Fri	202207	8.89
265	7/16/2022 0:00:00	Sat	202207	0.00
266	7/17/2022 0:00:00	Sun	202207	
267	7/18/2022 0:00:00	Mon	202207	
268	7/19/2022 0:00:00	Tue	202207	



November 30, 2022

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

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

Dear Mr. Lewis,

The purpose of this letter is to provide the notice of a transfer pursuant to paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for delivery of water to the Offset Account in excess of 10,000 acre-feet.

After a review of the accounting of deliveries to the Offset Account between April 1, 2021 and March 31, 2022, it was determined that Colorado delivered over 10,000 acre-feet to the Offset Account during that period. This determination was made after March 31, 2022. On September 2, 2022, 3.52 acre-feet was transferred from the Colorado Downstream Consumable subaccount to the Kansas Charge subaccount to fulfill this requirement for a 5% storage charge for any deliveries over 10,000 acre-feet. This amount will not be applied to the pre-funding of the 500 AF Storage charge due on March 31, 2023.

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

Sincerely,

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

1 Enclosure

cc: Kevin Salter Rachel Duran Dale Book Rachel Zancanella
Dan Steuer Bethany Arnold Phil Reynolds Lonnie Spady



Enclosure 1

Daily Report for September 2, 2022

Reservoir	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
		Totals:	19,919.68	13.21	3.52	3.52	0.00	46.62	19,886.27
Colorado Article II Summary									
	Keesee	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ft Bent	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Amity	9/2/2022	63.89	0.00	0.00	0.00	0.00	0.15	63.74
	Lamar	9/2/2022	36.08	0.00	0.00	0.00	0.00	0.08	36.00
	Hyde	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	X-Y	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Buffalo	9/2/2022	1,179.66	0.00	0.00	0.00	0.00	2.76	1,176.90
	Sisson	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Stubbs	9/2/2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Manvel	9/2/2022	2,743.05	0.00	0.00	0.00	0.00	6.42	2,736.63
	Colorado Article II	Totals:	4,022.68	0.00	0.00	0.00	0.00	9.41	4,013.27



November 30, 2022

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 2022, first described in the letter of March 31, 2022, which provided the initial notice of the delivery of water from this replacement source for 2022.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Fort Lyon Canal for 2022 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 2022-23. 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. Recharge credits were included in LAWMA’s accounting in 2022.

Maps of the augmentation station and recharge pond locations are included in Enclosure 2. The 2022 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					Reach 9	Reach 10	To Offset	In-State	Multi	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	Account	Repl.	Purpose	Reach 11	Reach 12	Reach 13	Reach 14		
March	90.41	12.04	38.82	0.00	3.74	10.75	16.40	18.96	0.00	191.12	1.54	0.17	0.12	0.00	0.08	0.06	0.07	0.36	0.00	45.50	30.69	74.47	0.01	--	2.26	17.08	11.29	0.00		
April	67.90	15.55	39.00	0.00	7.56	13.10	12.80	16.58	28.66	201.14	1.15	0.22	0.12	0.00	0.17	0.08	0.05	0.41	0.49	42.45	38.11	78.74	0.01	--	5.02	17.89	10.95	19.07		
May	63.10	14.96	35.46	11.88	8.79	25.59	20.41	32.89	54.97	268.04	1.07	0.21	0.11	0.02	0.19	0.15	0.08	0.82	0.93	40.69	45.43	84.18	-0.01	--	5.89	32.14	21.96	34.26		
June	122.75	31.74	71.62	29.39	43.10	59.13	47.82	50.78	76.39	532.72	2.09	0.44	0.21	0.06	0.95	0.35	0.19	1.27	1.30	83.50	101.08	182.72	-0.02	--	29.09	75.50	34.21	51.89		
July	258.73	50.26	99.83	28.56	6.78	34.71	16.19	33.99	27.65	556.70	4.40	0.70	0.30	0.06	0.15	0.21	0.06	0.85	0.47	176.25	135.90	9.49	38.16	218.40	4.50	35.57	22.57	18.51		
August	75.81	24.07	8.13	19.92	5.47	11.41	8.65	16.07	8.20	177.72	1.29	0.34	0.02	0.04	0.12	0.07	0.03	0.40	0.14	50.08	37.91	0.00	0.00	84.32	3.58	13.69	10.51	5.41		
September	0.00	0.00	0.00	0.00	2.90	16.64	8.88	18.15	0.00	46.57	0.00	0.00	0.00	0.00	0.06	0.10	0.04	0.45	0.00	0.00	0.00	0.00	0.00	1.80	16.78	11.34	0.00			
October	66.78	17.20	0.00	0.00	11.57	14.66	0.00	4.44	6.07	120.72	1.14	0.24	0.00	0.00	0.25	0.09	0.00	0.11	0.10	37.09	10.90	0.00	0.00	47.16	7.11	9.34	2.73	3.76		
November*	3.08	0.00	0.00	0.00	0.00	0.00	11.78	13.29	0.00	28.16	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.33	0.00	1.52	0.00	0.00	-0.01	1.49	0.00	6.99	7.76	0.00		
Total	748.56	165.81	292.86	89.75	89.91	185.99	142.93	205.14	201.93	2122.89	12.73	2.32	0.88	0.18	1.98	1.12	0.57	5.01	3.43	477.07	400.03	429.60	38.14		59.25	224.98	133.33	132.90		
Total Apr-Oct	678.69	148.62	292.86	89.75	78.35	171.33	131.15	187.41	195.86	1974.02	11.54	2.08	0.88	0.18	1.72	1.03	0.52	4.57	3.33	438.46	389.12	429.60	38.15		52.14	208.65	122.83	129.14		

*November values included for reference; will be counted as a delivery in Compact Year 2023

The table below shows LAWMA's computation of Winter Return Flows owed from 2021 operations during the December through February months.

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

Month: **December Through February**

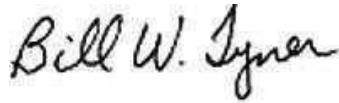
Year: **2022**

Item (1)	Station (af) (2)	IRRIGATION SEASON FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS										Winter Return Flows Owed			
		March (af) (3)	April (af) (4)	May (af) (5)	June (af) (6)	July (af) (7)	August (af) (8)	September (af) (9)	October (af) (10)	November (af) (11)	Total (af) (12)	December (af) (13)	January (af) (14)	February (af) (15)	Total (af) (16)
Above John Martin Dam															
1	ARF049CO	90.41	67.90	63.10	122.75	258.73	75.81	0.00	66.78	3.08	748.56	20.2	18.0	16.5	54.6
2	ARF125CO	12.04	15.55	14.96	31.74	50.26	24.07	0.00	17.20	0.00	165.81	3.6	3.3	3.2	10.1
3	ARF126CO	38.82	39.00	35.46	71.62	99.83	8.13	0.00	0.00	0.00	292.86	7.6	6.4	6.4	20.5
4	ARF145CO	0.00	0.00	11.88	29.39	28.56	19.92	0.00	0.00	0.00	89.75	2.0	1.7	1.6	5.3
	Total	141.26	122.44	125.40	255.50	437.38	127.94	0.00	83.98	3.08	1296.99	33.4	29.4	27.7	90.6
Below John Martin Dam															
5	ARF160CO	3.74	7.56	8.79	43.10	6.78	5.47	2.90	11.57	0.00	89.91	2.0	1.6	1.5	5.1
6	ARF166CO	10.75	13.10	25.59	59.13	34.71	11.41	16.64	14.66	0.00	185.99	4.1	3.5	3.3	11.0
7	ARF181CO	16.40	12.80	20.41	47.82	16.19	8.65	8.88	0.00	11.78	142.93	3.3	2.9	2.7	8.9
8	ARF182CO	18.96	16.58	32.89	50.78	33.99	16.07	18.15	4.44	13.29	205.14	4.7	3.9	3.9	12.5
9	ARF259CO	0.00	28.66	54.97	76.39	27.65	8.20	0.00	6.07	0.00	201.93	5.0	5.7	3.6	14.3
	Total	49.86	78.70	142.65	277.22	119.32	49.79	46.57	36.74	25.07	825.91	19.1	17.6	15.1	51.8

Of note for 2022, there were no credits generated above John Martin Dam in September 2022. Starting in July 2022, the majority of the Fort Lyon Credits generated above John Martin Dam were stored in the Multi-Purpose Account instead of the Offset Account. In addition, there were no deliveries in the first half of November 2022 (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, P.E.
Division Engineer
Colorado Division of Water Resources 3

Enclosures (4)

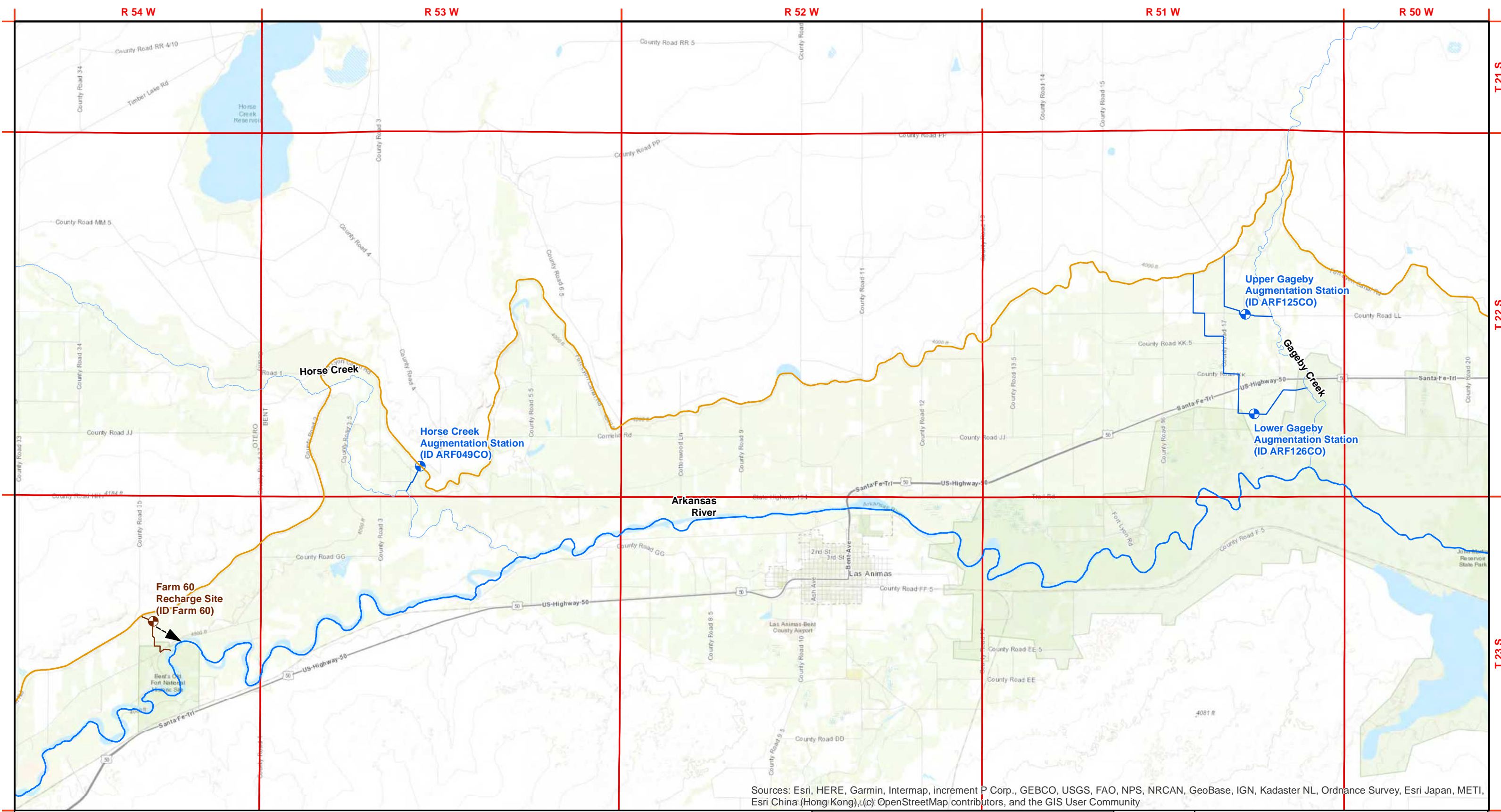
cc:	Kevin Salter	Rachel Duran	Dale Book	Phil Reynolds
	Ayrton Hendrix	Randy Hendrix	Dan Steuer	Bethany Arnold
	Lonnie Spady	Rachel Zancanella		

Enclosure 1

Fort Lyon Canal Accounting for 2022

Enclosure 2

Maps of Augmentation Stations/Recharge Sites



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 Outflow
- ➔ 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

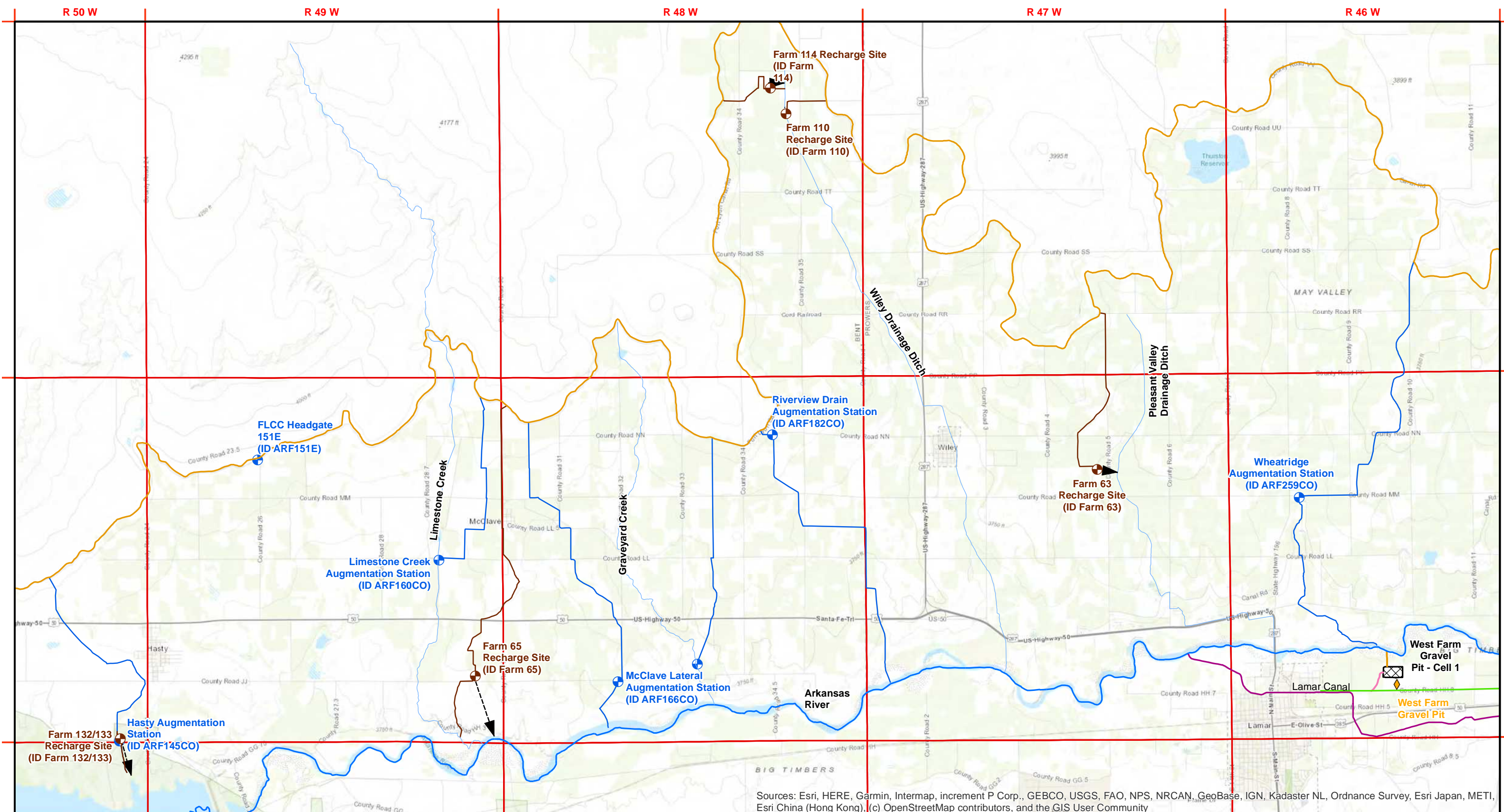
Scale in Miles

**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



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 Outflow
- Recharge Direction
- Augmentation Stations
- Augmentation Laterals
- Lamar Canal
- West Farm Lateral
- West Farm Gravel Pit Inflow
- West Farm Gravel Pit Outflow
- ◇ West Farm Gravel Pit
- West Farm Gravel Pit Cell 1

0 0.75 1.5 3

Scale in Miles

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

Enclosure 3

LAWMA Recharge Accounting

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

Farm 114 Recharge Facility (SEO ID No. 6704823): Monthly Totals Based on Daily Data

Month:	% Water Vis.	Measured Inflow (ac-ft)	EOM Pond 1 Staff Gage Reading (ft)	EOM Pond 2 Staff Gage Reading (ft)	EOM Pond 3 Staff Gage Reading (ft)	EOM Pond 4 Staff Gage Reading (ft)	Measured Outflow (ac-ft)	Average Pond 1 Daily Surface Area (ac)	EOM Pond 1 Volume (ac-ft)	Average Pond 2 Daily Surface Area (ac)	EOM Pond 2 Volume (ac-ft)	Average Pond 3 Daily Surface Area (ac)	EOM Pond 3 Volume (ac-ft)	Average Pond 4 Daily Surface Area (ac)	EOM Pond 4 Volume (ac-ft)	Average Pond 5 Daily Surface Area (ac)	EOM Pond 5 Volume (ac-ft)	Average Daily Surface Area (ac)	EOM Total Volume (ac-ft)	Evap Rate (ft)	Total Pond Evap (ac-ft)	Average Phreatophytes (ac)	ET (in)	ET (ac-ft)	Total Recharge (ac-ft)	Total HCU Recharge (ac-ft)	Lagged HCU Recharge (ac-ft)
(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)	
Apr	0.0%	47.55	0.00	0.00	0.00	0.00	0.00	1.09	0.00	1.07	0.00	1.07	0.00	3.16	0.00	0.00	0.00	6.38	54.41	0.45	2.87	0.00	0.00	0.00	0.00	0.00	9.68
May	0.0%	91.29	0.00	0.00	0.00	0.00	0.00	1.11	7.02	1.08	6.28	1.08	6.10	7.48	35.00	2.73	0.00	13.47	121.14	0.60	8.08	0.00	0.00	0.00	16.48	12.51	8.43
Jun	0.0%	148.31	0.00	0.00	0.00	0.00	7.34	1.11	7.02	1.08	6.28	1.09	6.10	7.61	50.87	7.70	50.87	18.58	117.44	0.73	13.56	0.00	0.00	0.00	131.10	102.65	7.75
Jul	0.0%	71.54	0.00	0.00	0.00	0.00	22.26	1.10	6.80	1.07	6.06	1.08	5.88	7.58	49.36	7.67	49.34	18.51	117.91	0.75	13.88	0.00	0.00	0.00	34.93	27.49	7.20
Aug	0.0%	31.58	0.00	0.00	0.00	0.00	14.82	1.10	6.83	1.07	6.09	1.07	5.91	7.57	49.55	7.66	49.53	18.47	113.00	0.68	12.56	0.00	0.00	0.00	9.12	6.98	6.73
Sep	0.0%	34.01	0.00	0.00	0.00	0.00	2.69	1.10	6.54	1.07	5.81	1.07	5.63	7.57	47.53	7.66	47.49	18.47	114.11	0.50	9.23	0.00	0.00	0.00	20.98	15.02	6.30
Oct	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	1.07	6.60	1.04	5.87	1.04	5.69	7.49	47.99	7.59	47.95	18.23	107.73	0.35	6.38	0.00	0.00	0.00	0.00	0.00	5.91
Nov	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.23	0.00	5.51	0.00	5.33	0.00	45.37	0.00	45.30	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	5.56
Dec	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.02	0.00	5.30	0.00	5.12	0.00	43.88	0.00	43.79	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	5.22
Jan	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.86	0.00	5.15	0.00	4.97	0.00	42.78	0.00	42.67	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	4.91
Feb	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.71	0.00	5.00	0.00	4.82	0.00	41.67	0.00	41.54	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	4.62
Mar	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.53	0.00	4.83	0.00	4.65	0.00	40.36	0.00	40.21	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	4.36
Totals		424.29					47.11		70.16		62.19		60.20		494.37		458.69		745.73	5.02	66.57		0.00	0.00	212.61	164.65	76.68

Notes:

- Monthly: Percentage of month water visible in recharge site.
- Measured inflow to recharge facility: https://dwr.state.co.us/Surfacewater/data/detail_graph.aspx?ID=ARF201CO&MTYPE=DISCHRG
- End of Month staff gage reading of Sedimentation Pond 1. (Daily area and volumes are calculated using daily readings).
- End of Month staff gage reading of Sedimentation Pond 2. (Daily area and volumes are calculated using daily readings).
- End of Month staff gage reading of Sedimentation Pond 3. (Daily area and volumes are calculated using daily readings).
- End of Month staff gage reading of Sedimentation Pond 4. (Daily area and volumes are calculated using daily readings).
- Measured surface outflow from recharge facility: https://dwr.state.co.us/Surfacewater/data/detail_graph.aspx?ID=AR201WCO&MTYPE=DISCHRG
- Average daily Sedimentation Pond 1 based on Storage Capacity Table and staff gage readings.
- End of Month volume of water in Sedimentation Pond 1.
- Average daily Sedimentation Pond 2 based on Storage Capacity Table and staff gage readings.
- End of Month volume of water in Sedimentation Pond 2.
- Average daily Sedimentation Pond 3 based on Storage Capacity Table and staff gage readings.
- End of Month volume of water in Sedimentation Pond 3.
- Average daily Sedimentation Pond 4 based on Storage Capacity Table and staff gage readings.
- End of Month volume of water in Sedimentation Pond 4.
- Sum of Columns 8, 10, 12, and 14)
- Sum of Columns 9, 11, 13, and 15)
- Monthly evaporation rate for ponds near John Martin Dam (Case No. 02CW181, Exhibit R)
- Total monthly evaporation calculated daily by multiplying (Column 16 - Column 20) x Column 19.
- The amount of observed acres of phreatophytes within the four ponds.
- Total monthly evapotranspiration rate for phreatophytes in inches (summed from daily values)
- Total monthly evapotranspiration for phreatophytes in acre-feet (summed from daily values)
- Monthly total recharge calculated from the daily Column 2 x 1.9835 + Column 17 - Column 19 - Column 22 - Next Day's Column 17 - Column 7*1.9835
- Column 23 multiplied by the monthly CU factor on a daily basis.
- Lagged HCU return flows using the Ground Water Accounting Model response function for Farm 110.

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 %	46.5%	0.0%	0.0%	0.0%	50.6%	73.7%	77.4%	80.1%	77.6%	74.4%	61.3%	55.1%
WRF %		-1.8%	-1.8%	-0.9%								
WRF Vol Owed		2.23	2.23	1.08								
Lagged HCU		0.00	4.91	4.62								

- 2)
- 3)
- 4)
- 5)
- 6)

Enclosure 4

LAWMA Fort Lyon Canal Company SWSP Approval



March 31, 2022

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, 2022 through March 31, 2023

Contact information for Mr. Hendrix: 720-930-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have received your December 21, 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 December 21, 2021. Timely comments were received by April Hendricks, representing the Southeastern Colorado Water Conservancy District and were taken into account during the drafting of this approval letter. The statutory \$300 filing fee has been received and given receipt no. 10017727.

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 (Phase 1 shares) in the FLCC from Arkansas River Farms, LLC (“ARF”) in 2017, and acquired 1,429 additional shares of FLCC stock (Phase II shares) in 2021. 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. LAWMA will use water available to 3,303 of the Phase I (ATM) shares to make an allocation to the CSU LAWMA shares that will be shared by LAWMA and CSU consistent with the Water Sharing Agreement. Under this SWSP approval, in addition to the comprehensive change described above, water available to those water rights may be used directly, by exchange and after storage, for all beneficial uses within CSU's existing and future service area. **No exchange for those shares is requested under this SWSP.**

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		Horse Creek	August 15, 1900	February 3, 1927	159.78	
27.5	Horse Creek Reservoir		840	11,400	Arkansas River	January 25, 1906	February 3, 1927	67.11	910.77
50	Horse Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
27.5	Horse Creek Reservoir 1st Enlargement		840		Arkansas River	January 25, 1906	February 3, 1927	67.11	
30.5	Horse Creek Reservoir 1st Enlargement		5,000	15,487	Horse Creek	December 20, 1907	February 3, 1927	399.46	1,237.29
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		Horse Creek	June 12, 1908	February 3, 1927	399.46	
37	Horse Creek Reservoir 2nd Enlargement		840	1,113	Arkansas River	June 12, 1908	February 3, 1927	67.11	88.92
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		Adobe Creek	January 25, 1906	February 3, 1927	689.55	
27.5	Adobe Creek Reservoir		840	61,575	Arkansas River	January 25, 1906	February 3, 1927	67.11	4,919.35
50	Adobe Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
41	Adobe Creek Reservoir Enlargement		8,631		Adobe Creek	December 29, 1908	February 3, 1927	689.55	
41	Adobe Creek Reservoir Enlargement		840	25,425	Arkansas River	December 29, 1908	February 3, 1927	67.11	2,031.25
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 (1)	Case No. (2)	Amount (3)	Units (4)	Source (5)	Comment (6)	Pro-rata interest associated with the Trade Shares (cfs) (7)	Pro-rata interest associated with the Trade Shares (af) (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 first 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 / 93,989.4188
- 8) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4188

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-Following 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 SWSP. 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, ARF145CO, 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 telemetry 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, 2022 through March 31, 2023, unless otherwise revoked or superseded by decree. The initial date of approval for this SWSP was April 1, 2020. Pursuant to § 37-92-308(4)(b), C.R.S., "if an applicant requests a renewal of a plan that would extend the plan past three years from the initial date of approval, the applicant shall demonstrate to the State Engineer that the delay in obtaining a water court decree is 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 information must be submitted with any SWSP request that seeks a plan approval period that would extend beyond April 1, 2023. Additional SWSPs are required until a court decreed plan for augmentation is obtained for the proposed uses. Should an additional SWSP be requested, the provisions of § 37-92-308(4), 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 3, 2023**.

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 2021 with dry up approval problems that are nominated for use in 2022 must be remediated by **May 1, 2022** 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 a list of concerns in an Expert Report in 19CW3036 on January 10, 2022. Site specific concerns were provided in Appendix A (attached). If the concerns have not been addressed or if the Water Commissioners identify new concerns, the applicant must address those concerns in a timely manner. Any unaddressed concerns may result in the reduction of credits.
13. LAWMA has been notified of disqualified and discounted dry up parcels. LAWMA must either provide new monthly and annual volumetric limits or provide substituted dry up parcels by April 15, 2022. **Once this has been received, a revised letter will be issued with these revised monthly and volumetric limits.** In the meantime, DWR will implement a reduction in the dry up credit.

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 Graveyard Arbor 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 Graveyard 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 110/114 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 have been approved by the Division Engineer, however LAWMA does not have a final contract for these shares.

14. 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.
15. 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.
16. 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.

17. 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.
18. Transit losses on all deliveries of LAWMA replacement water shall be as determined by the Division Engineer or his delegated representative.
19. All diversions must be measured in a manner acceptable to the Division Engineer. The Applicant must install and maintain measuring devices as required by the Division Engineer for operation of this SWSP. Operation of this SWSP requires the Applicants to install measuring devices pursuant to the Division 2 Functional Standards.
20. 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.
21. 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.
22. 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.
23. 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.

24. 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.
25. 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,

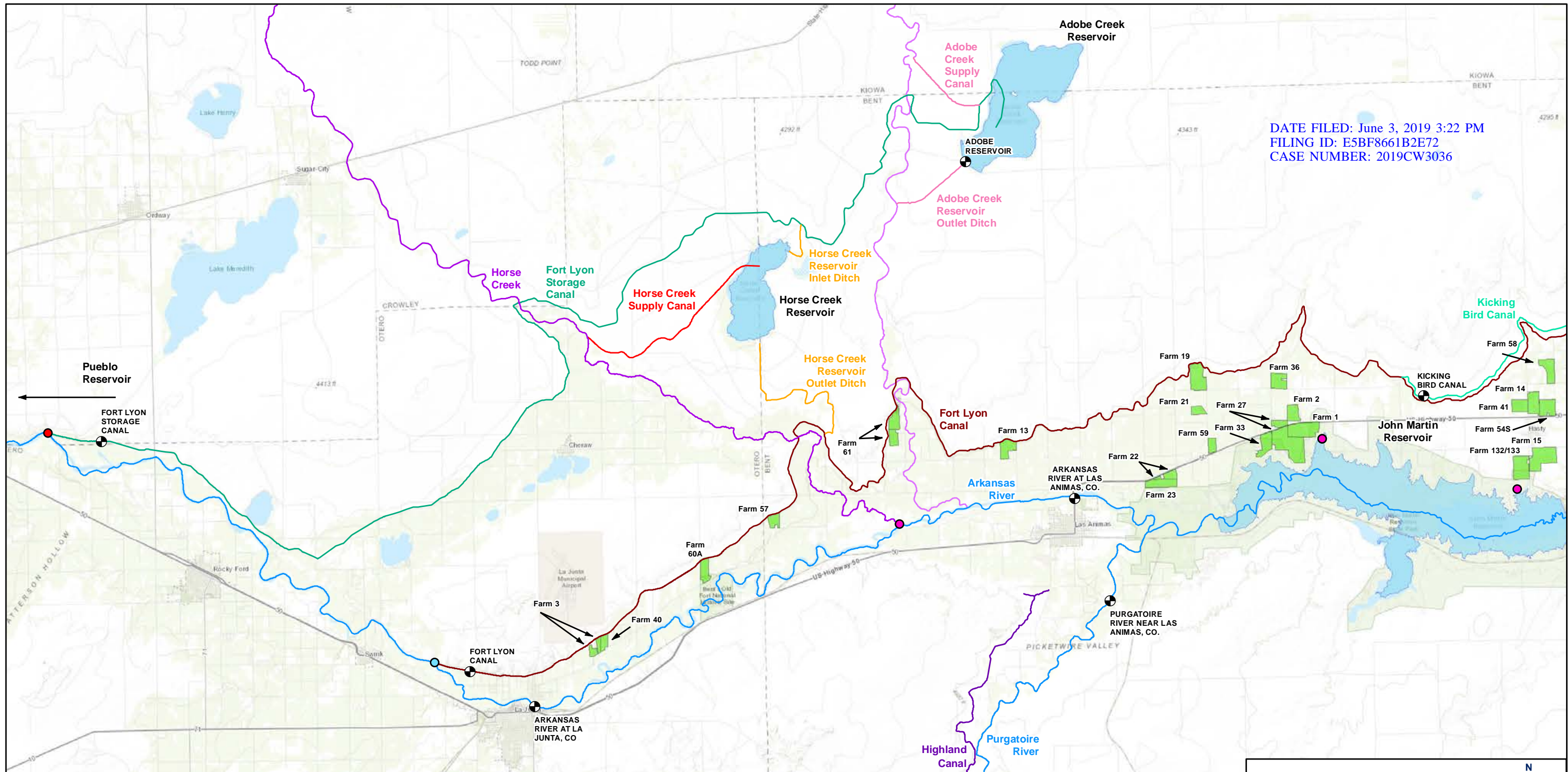


Jeff Deatherage, P.E.
Chief of Water Supply

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



Legend

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

Hendrix Wai Engineering, Inc.

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

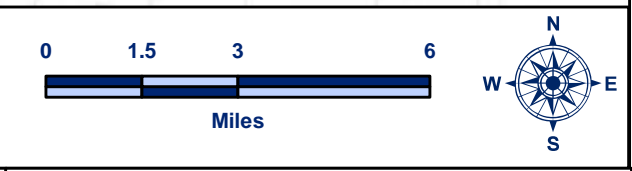


Exhibit C-1
General Location Map
of the Western Portion of
the Fort Lyon Canal System



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

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



2021 DRY UP PARCELS REQUIRING REMEDIATION

PARCEL_ID	ARF FARM NO.	REMEDICATION COMMENTS	DITCH	USER_NO	ACRES
22511713	#19	DU21: REMEDIATE FOR TAMARISK AND TREES	FORT LYON US	10	36.130
22511712	#19	DU21: REMEDIATE FOR TAMARISK AND TREES	FORT LYON US	10	5.493
22532317	#61	DU21: REMEDIATE FOR TAMARISK	FORT LYON US	10	8.614
23543022	#3	DU21: REMEDIATE FOR TAMARISK	FORT LYON US	10	7.305
22532626	#61	DU21: DISQUALIFIED FOR SW IRR, DU PORTION WAS < 5AC	FORT LYON US	10	13.895
22513403	#33	DU21: MONITOR FOR TREES	FORT LYON US	10	16.887
22511705	#19	DU21: MONITOR FOR SEEP	FORT LYON US	10	8.755
22532601	#61	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	21.488
22512707	#33	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	42.961
22513111	#23	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	51.878
22532310	#61	DU21: MONITOR FOR TREES	FORT LYON US	10	36.109
22522918	#13	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	17.606
22512613	#27	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	13.710
22513110	#23	DU21: MONITOR FOR TREES	FORT LYON US	10	24.253
22511709	#19	DU21: MONITOR FOR SEEP	FORT LYON US	10	25.616
22512708	#33	DU21: MONITOR FOR SEEP AND TAMARISK	FORT LYON US	10	30.533
22511413	#36	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	17.635
22532603	#61	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	40.082
22522915	#13	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	11.299
22522920	#13	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	18.894
23543011	#3	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	10.741
23541410	#60A	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	9.675
23541408	#60A	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	9.094
23541413	#60A	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	24.511
22522921	#13	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	12.007
21481103	#110	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	46.878
22481101	#25	DU21: MONITOR FOR TREES IN SW CORNER	FORT LYON DS	20	57.834
22480107	#30N	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	11.735
21482629	#85	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	18.198
21482623	#85	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	12.345
22481002	#37	DU21: MONITOR FOR DITCH SEEP	FORT LYON DS	20	17.663
22481102	#25	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	16.659
22491204	#39N	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	47.124
22491807	#58	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	26.910
22481905	#127	DU21: MONITOR FOR IRRIGATION, PARCEL HAS HISTORY OF SW IRR	FORT LYON DS	20	22.269

2021 DRY UP PARCELS REQUIRING REMEDIATION

22491924	#14/54B	DU21: ACCEPTED, KS QUESTIONS HIST USE AND SHARES	FORT LYON DS	20	12.501
22493115	#15	DU21: MONITOR FOR TAMARISK	FORT LYON DS	20	19.759
22491201	#39N	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	31.912
22481123	#25	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	20.095
22481011	#37	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	51.045
22461601	#118	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	21.642
22471005	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	35.862
22471007	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	14.540
22471006	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	34.067
22471012	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	30.907
22461718	#62	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	62.542
22461712	#141	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	32.124
22471024	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	23.037
22471023	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	19.398
22471027	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	19.723
22471003	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	16.995
21473302	#63	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	104.414
22481007	#37	DU21: MONITOR FOR ALFALFA	FORT LYON DS	20	84.907
22511409	#36	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	21.287
22512609	#27	DU21: MONITOR FOR ALFALFA	FORT LYON US	10	35.538
22532301	#61	DU21: MONITOR FOR TREES	FORT LYON US	10	8.069
22532319	#61	DU21: MONITOR FOR TREES	FORT LYON US	10	14.684
22512601	#27	DU21: DISQUALIFIED FOR TREES AND ALFALFA	FORT LYON US	10	28.929
22513115	#23	DU21: DISQUALIFIED FOR TREES	FORT LYON US	10	3.295
22512024	#21	DU21: DISQUALIFIED FOR ALFALFA	FORT LYON US	10	19.641
22532312	#61	DU21: DISQUALIFIED FOR TREES	FORT LYON US	10	19.079
22512502	#1	DU21: DISQUALIFIED FOR NO HISTORIC IRR	FORT LYON US	10	35.470
22483204	#64	DU21: DISQUALIFIED FOR SPILL ONTO DRYUP	FORT LYON DS	20	42.692
21482628	#85	DU21: DISQUALIFIED FOR <5 AC	FORT LYON DS	20	2.019
22481117	#25	DU21: DISQUALIFIED FOR ALFALFA	FORT LYON DS	20	24.155
22481904	#127	DU21: DISQUALIFIED FOR NO HISTORIC IRR	FORT LYON DS	20	16.148
22491903	#14/54B	DU21: DISQUALIFIED FOR SEEP	FORT LYON DS	20	6.674
22471017	#63	DU21: DISQUALIFIED FOR <5 AC	FORT LYON DS	20	2.471
22532627	#61	DU21: DISQUALIFIED FOR <5 AC	FORT LYON US	10	3.076
22513128	#23	DU21: DISQUALIFIED FOR <5 AC	FORT LYON US	10	1.865
22511421	#36	DU21: DISQUALIFIED FOR NOT KS ACCEPTED/NO EVIDENCE OF FARMING	FORT LYON US	10	6.231
22491930	#54B	DU21: DISQUALIFIED FOR TREES AND NO HISTORIC IRRIGATION	FORT LYON DS	20	7.394

2021 DRY UP PARCELS REQUIRING REMEDIATION

22503611	#132/133	DU21: DISQUALIFIED FOR <5 AC	FORT LYON DS	20	2.523
22482621	COEN	DU21: DISQUALIFIED FOR NEVER IRRIGATED	FORT LYON DS	20	10.559
22482718	COEN	DU21: DISQUALIFIED FOR NEVER IRRIGATED	FORT LYON DS	20	3.116
22491912	#54B	DU21: DISQUALIFIED FOR PIVOT CORNER <5 AC	FORT LYON DS	20	1.430
22522917	#13	DU21: DISCOUNT 50% FOR ALFALFA	FORT LYON US	10	18.607
22481108	#25	DU21: DISCOUNT 50% FOR ALFALFA	FORT LYON DS	20	61.254
23543005	#3	DU21: DISCOUNT 50% FOR ALFALFA	FORT LYON US	10	18.069
23543007	#40	DU21: DISCOUNT 25% FOR WETLAND, TAMARISK, AND ALFALFA SPREADING	FORT LYON US	10	10.674
22471020	#63	DU21: DISCOUNT 25% FOR ALFALFA	FORT LYON DS	20	12.627

Appendix A

Recharge and Augmentation Facility Infrastructure Recommendations

Opinion 1 in the Engineers' Expert Report outlined general guidelines and requirements for infrastructure related to the proposed changed uses for Fort Lyon shares in case number 19CW3036. This appendix gives detailed recommendations for each structure and facility. Pictures were taken on October 25, 2021 during a field inspection by the Engineers. **Table A1** outlines the facilities and structures areas of concern.

Table A1 Overview of Augmentation Station and Recharge Pond Concerns

Facility Name	Stream Gage Abbreviation	AKA	Flume Concerns	Telemetry Concerns	Staff Gage Concerns	Delivery Channel Concerns
Farm 60 Recharge	ARF027CO	ARF Headgate 27 (Bents Fort)	X	--	--	X
	--	Farm 60 Recharge Ponds	--	X	--	--
	ARF27LCO	ARF Headgate 27 (Bents Fort, Lower)	X	--	--	X
Horse Creek Augmentation Station	ARF049CO	ARF Headgate 49-D (Horse Creek)	X	--	--	X
Upper Gageby Creek Augmentation Station	ARF125CO	ARF Headgate 125 (Gageby, Upper)	--	--	--	X
Lower Gageby Creek Augmentation Station	ARF126CO	ARF Headgate 126 (Gageby, Lower)	X	--	--	X
Farm 132/133 Recharge Facility	ARF14SCO	ARF Headgate 145 (Upper)	X	--	--	--
	--	Farm 132/133 Recharge Ponds	--	X	--	--
	ARF145CO	ARF Headgate 145 (Hasty)	X	--	--	X
Farm 65 Recharge Facility	ARF162CO	ARF Headgate 162 (Upper)	X	--	--	--
	--	Farm 65 Recharge Facility	--	X	--	--
	ARF16TCO	ARF Headgate 162 (Lower)	--	--	--	X

Wheatridge Augmentation Station	ARF259CO	ARF Headgate 259 (Wheatridge)	X	--	--	--
Farm 63 Recharge Facility	AR230GCO	ARF Headgate 230G (Upper)	--	--	--	--
	Farm 230 Recharge Facility	--	--	X	X	--
	AR230LCO	ARF Headgate 230G (Recharge Lower)	--	--	--	X
Farm 110 Recharge Facility	ARF205CO	ARF Headgate 205 (Wiley Drain, East)	--	--	--	--
	Farm 110 Recharge Ponds	--	--	X	X	--
	AR205ECO	ARF Headgate 205 (Wiley Drain, East Outlet)	X	--	--	--
Farm 110 Storage Facility	ARF201CO	ARF Headgate 201E (Wiley Drain, West)	X	--	--	X
	Farm 110 Storage Ponds	--	--	X	--	X
	AR201WCO	ARF Headgate 201E (Wiley Drain West Outlet)	X	--	--	X
Graveyard Creek Augmentation Station	ARF181CO	ARF Headgate 181 (Graveyard)	--	--	--	--
McClave Augmentation Station	ARF166CO	ARF Headgate 166 (McClave)	X	--	--	X
Limestone Augmentation Station	ARF160CO	ARF Headgate 160 (Limestone)	--	--	--	--

Farm 60 Recharge Facility

The infrastructure at the Farm 60 recharge facility consists of measurement upstream of the recharge ponds, 4 recharge pond cells, and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. The general flow path is depicted below in Figure A1.



Figure A1 Farm 60 Recharge Facility

Farm 60 Upstream Measuring Flume (ARF027CO)

This is the upstream measurement flume at the Farm 60 Recharge facility. Water is delivered directly from the Fort Lyon Canal via the original farm head gate. Between the Fort Lyon Canal headgate and the flume, the channel was overgrown (Figure A2); this could result in water overtopping the delivery channel and in direct contradiction of C.R.S. 37-84-107.



Figure A2 ARF027CO Flume Upstream Mouth

In addition, the channel conditions upstream of the flume are unlikely to allow for optimal flow conditions. The upstream stilling pool is non-existent, or has filled in with sediment, and the ditch is entering the structure at an angle. A well-defined stilling pool should be formed upstream that stills the flow and is axially aligned with the flume. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. According to empirical evidence at other installations in Division 2, the wingwalls should be extended no less than 6 feet past the mouth of the flume. This allows flow to be smoother than in other wingwall configurations (curved wing walls excluded). Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is

found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.

There is evidence of erosion around the upstream mouth of the flume that could result in flow being routed around the measurement flume, resulting in waste and diminished recharge credits.

There was evidence of erosion on the downstream outlet of the flume as demonstrated in Figure A3. This may result in the flume failing to remain level in all directions or allowing leakage past the flume. Beginning and end of season inspections should be conducted in order to assess both of these concerns. If the flume is not level in all directions or there is leakage past the flume, either around the sides or underneath the flume, the flume should be repaired or replaced.



Figure A3 ARF027CO Flume Downstream Exit

The water line shown in Figure A4 demonstrates that the flume is operating in a submerged condition. The hydraulic jump is in the throat of the flume when it should be in the diverging (outlet) section of the flume. Previous DWR verification measurements demonstrate that the flume is operating outside of $\pm 5\%$ of the standard rating. This flume has shifts that are negative. Flumes operating under these types of conditions show flow that is artificially high based on the stage. It is likely that this is due to the downstream channel being obstructed. The debris should be removed from the downstream channel.



Figure A4 ARF027CO flume profile with waterline (facing upstream)

Ideally, this flume should be replaced with a flume much nearer the entry point to the recharge pond system so that the proper water balance accounting can be performed and unintended losses in delivery from the main canal to the recharge facility are not incorrectly included in the water balance calculations for the recharge facility.

Farm 60 Recharge Ponds

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's current accounting properly. To reliably and transparently convey these staff gage readings, the pressure transducers should be calibrated to the staff gage. These pressure transducers should be conveyed via telemetry in order to have clear and reliable daily staff gage readings. The pressure transducer data cables that run to the data collection platform should be buried and protected from wildlife, foot traffic and the elements. Pressure transducers (or other automatic stage measuring devices such as radar units) should be routinely verified and calibrated to the installed reference staff gages. Each reference staff gage and each automatic stage measuring device must be capable of recording stage to the point where each pond cell is functionally at zero stage (i.e. all water has infiltrated or been evaporated from each cell).

Pond #2 was found to have cottonwoods growing in the bottom. In order to avoid having recharge credits reduced due to phreatophytes, those cottonwoods should be removed. The ponds should be inspected, at minimum, annually to assess the presence of phreatophytes. Any growth found should be reported to the Division Engineer and appropriate credit reduction will be assessed by the Division 2 staff.

Farm 60 Downstream Flume (ARF27LCO)

This is the downstream flume that measures the overflow of water from the Farm 60 recharge facility. Water delivered through this flume is intended to be delivered back to the Arkansas River.

The first deficiency of this station is a channel that is not clear of obstruction between the last cell of the recharge facility and the flume. This is not in accordance with the Functional Standards. The channel should be cleared of overgrowth (Figure A5) and maintained in such a manner consistent with the Functional Standards.



Figure A5 ARF27LCO Flume Upstream Mouth

On the downstream side, there was erosion on the outer edges of the outlet of the flume as well as undercutting, as demonstrated in Figure A6. This may result in the flume failing to remain level in all directions or allowing leakage past the flume. Beginning and end of season inspections should be conducted in order to assess both of these concerns. If the flume is not level in all directions or there is leakage past the flume, either around the sides or underneath the flume, the flume should be repaired or replaced.



Figure A6 Farm 60 Recharge Facility Outlet Flume Downstream outlet

The water lines on the throat of the flume indicate that this flume operates under submerged flow conditions (Figure A7). Flumes operating under these types of conditions show flow that is artificially high based on the

stage. It is likely that this is due to the flume being out of level front to back, likely caused by the erosion at the outlet of the flume.



Figure A7 ARF27LCO flume profile with waterline (facing downstream)

The delivery channel between the Arkansas River and the discharge measurement flume is overgrown and not likely to reach the river. Although there is no credit is available for overflow at this recharge facility under currently approved plan operations, the downstream channel should be clear and capable of returning any overflow to the Arkansas river.

Horse Creek Augmentation Station (ARF049CO)

The infrastructure at the Horse Creek Augmentation Station consists of measurement of a Fort Lyon headgate delivery and a pipeline that delivers those augmentation station credits to Horse Creek.

The measurement flume at this augmentation station can have stable upstream conditions which will aid in accurate measurement of flow.

A well-defined stilling pool should be formed upstream that stills the flow. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources. The debris observed encroaching the flow path will adversely affect the flow into the flume. The flume pool needs to be cleaned and maintained; the figure shows damage by livestock accessing the pool (Figure A8).

Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.



Figure A8 Horsecreek Augmentation Station Upstream Mouth Looking Downstream

The downstream concrete pan and wing wall side of the flume has erosion around the flume and significant undercutting (Figure A9). This is a concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The fence shown across the outlet in the Figure will collect debris and cause submergence in the flume as shown by the water lines and should be removed.



Figure A9 Horsecreek Augmentation Station Downstream Flume Exit

Downstream of the flume there is a trash rack that covers the opening to a pipeline that carries augmentation credits to Horse Creek (Figure A10). The flow into the pipeline has been obstructed by debris in recent years of operation. Because the flow is measured prior to the trash rack, if the trash rack was to obstruct the pipeline flow to Horse Creek, there will be more credits given for augmentation that actually contributed to river flows. The applicant should check the trash rack at least every other day at the beginning of the season and then weekly as the season progresses. In addition, in the accounting that calculates the augmentation station credits, there should be a cross reference between the augmentation station measurement and the increase to base flows at the Horse Creek at 194 gage (HRC194CO) to confirm delivery of augmentation credits. If the augmentation credits do not show an increase to the base flow of Horse Creek, no augmentation credits should be given.



Figure A10 Horsecreek Augmentation Station Trash Rack

Upper Gageby Creek (ARF125CO)

The infrastructure at this augmentation station includes a Parshall flume and a channel that delivers water back to the Arkansas River.

The flume at the Upper Gageby Creek augmentation station is currently in compliance with the Functional standards, but needs to be maintained.

A well-defined stilling pool should be formed upstream that stills the flow. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources. The bank observed encroaching the flow path on the right bank will adversely affect the flow into the flume. The flume pool needs to be maintained (Figure A11).



Figure A11 Upper Gageby Creek Augmentation Station upstream of flume, stilling pool

Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.

It was unclear at the October 25, 2021 inspection whether the channel that delivers augmentation credits back to Gageby Creek would actually deliver those credits. At minimum, annual inspections of the channel should be conducted to ensure the channel is clear of obstruction.

Lower Gageby Creek (ARF126CO)

The infrastructure at the augmentation station includes a Parshall flume and a channel that delivers water back to the Arkansas River.

The upstream pool needs to be widened and the depth increased which will aid in accurate measurement of flow. Figure A12 shows the upstream stilling pool is non-existent, or has filled in with sediment. A well-defined stilling pool should be formed upstream that stills the flow and is axially aligned with the flume. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.



Figure A12 Lower Gageby Creek Augmentation Station Upstream Conditions

The downstream side of the flume has erosion around the flume and significant undercutting (Figure A13). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A13 Lower Gageby Creek Augmentation Station Downstream Flume outlet

It was unclear at the October 25, 2021 inspection whether the channel that delivers augmentation credits back to Gageby Creek would actually deliver those credits. At minimum, annual inspections of the channel should be conducted to ensure the channel is clear of obstruction.

Farm 132/133 Recharge Facility

The infrastructure at the Farm 131/132 recharge facility consists of measurement upstream of the recharge ponds, four recharge pond cells, and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. There are two operation scenarios at this facility. The first scenario delivers water to the recharge ponds for recharge operations. The second scenario uses a splitter box to deliver water directly back to the river through the lower augmentation station flume (ARF145CO). The general flow path is depicted in Figure A14 below.



Figure A14 Farm 132/133 Recharge Facility Overview

This facility does not have a way to account for what is being routed directly to the downstream gage and what is being routed to the downstream gage through the recharge ponds. Both operational scenarios are commingled and measured at the ARF14TCO gage. The easiest remedy for this would be to install a third measurement flume at the facility. The flume should be placed downstream of the splitter box for direct delivery, and upstream of the recharge outlet flume. Once that flume is installed and verified for accuracy, the accounting can reflect both operating scenarios if they occur simultaneously.

The channel conditions upstream of the flume are unlikely to allow for optimal flow conditions. The upstream stilling pool is non-existent, or has filled in with sediment. A well-defined stilling pool should be formed upstream that stills the flow and is axially aligned with the flume. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.

Hasty Recharge Inlet Gage (ARF14SCO)

The measurement flume at this augmentation station has stable upstream conditions which aid in accurate measurement of flow. However, the downstream side of the flume has significant undercutting under the concrete downstream of the flume outlet (Figure A15). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A15 Farm 132/133 Inlet Flume (ARF14SCO) Downstream outlet

The channel conditions upstream of the flume are unlikely to allow for optimal flow conditions. The upstream stilling pool is non-existent (Figure A16); the right bank is encroaching the flow. A well-defined stilling pool should be formed upstream that stills the flow. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.



Figure A16 Farm 132/133 Inlet Flume (ARF14SCO) Upstream stilling pool

Farm 132/133 Recharge Ponds

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's current accounting. To reliably and transparently convey these staff gage readings, pressure transducers should be installed and calibrated to the staff gage. These pressure transducers should be conveyed via telemetry as to have clear and reliable daily staff gage readings. When the pressure transducers are installed, the wires for those devices should be buried and protected from wildlife, foot traffic and the elements.

Hasty Downstream Augmentation Station (ARF145CO)

The channel between Recharge Cell #4 and the augmentation station flume is overgrown (Figure A17). This channel should be cleaned of debris to ensure delivery of recharge overflow to the augmentation station.



Figure A17 Farm 132/133 Recharge Facility Channel Between Cell #4 and the Outlet Augmentation Station

The downstream side of the flume has significant undercutting under the concrete downstream of the flume outlet (Figure A18). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A18 Farm 132/133 Outlet Flume Downstream outlet

Farm 65 Recharge Facility

The infrastructure at the Farm 65 recharge facility consists of measurement upstream of the recharge ponds, four recharge pond cells, and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. The general flow path is depicted in Figure A19.



Figure A19 Farm 65 Recharge Facility Overview

Farm 65 Upstream Augmentation Station (ARF162CO)

The measurement flume at this augmentation station has stable upstream conditions which aid in accurate measurement of flow. However, the downstream side of the flume has significant undercutting under the downstream of the flume outlet and erosion around the flume outlet (Figure A20). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A20 Farm 65 Inlet Flume Downstream outlet

Farm 65 Recharge Ponds

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's current accounting. To reliably and transparently convey these staff gage readings, pressure transducers should be installed and calibrated to the staff gage. These pressure transducers should be conveyed via telemetry as to have clear and reliable daily staff gage readings. When the pressure transducers are installed, the wires for those devices should be buried and protected from wildlife, foot traffic and the elements.

During the visit on October 25, 2021, Division staff observed that Cell #1, Cell #2 and Cell #4 contained water. Cell #3 was observed to be dry as demonstrated by Figure A21. In addition to having standing water in Cell #4, that cell had a significant number of cattails growing in it (Figure A22). This indicates that Cell #4 has perpetually moist soil. The applicant should remove the growth of cattails and demonstrate that this cell can be drained, either by recharge or by an operable outlet. In addition, the channel between Cell #3 and Cell #4 should be cleared of all debris before additional water is delivered to this facility.



Figure A21 Farm 65 Recharge Facility Cell #3 and Cell #4



Figure A22 Farm 65 Recharge Facility Cell #4 Cattails

Farm 65 Downstream Augmentation Station (ARF16TCO)

It was unclear at the October 25, 2021 inspection whether the channel that delivers augmentation credits back to the Arkansas River would actually deliver those credits. At minimum, annual inspections of the channel should be conducted to ensure the channel is clear of obstruction. Until this conveyance structure's ability to deliver augmentation credits at the river is confirmed, there should be no credits claimed for any overflow measured at this gage.



Figure A23 Farm 65 Downstream Augmentation Station (ARF16TCO) Upstream flume stilling pool

The channel conditions upstream of the flume are unlikely to allow for optimal flow conditions. The upstream stilling pool is non-existent, or has filled in with sediment. A well-defined stilling pool should be formed

upstream that stills the flow. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel, as the banks are encroaching into the channel in Figure A23. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.

Wheat Ridge Augmentation Station (ARF259CO)

The measurement flume at this augmentation station has stable upstream conditions which aid in accurate measurement of flow. The waterlines show that the flume is operating under submergence (the hydraulic jump is pushed back into the throat of the flume (Figure A24). Downstream conditions must be evaluated. The applicant should evaluate this flume regularly for compliance with the Functional Standards.



Figure A24 Wheatridge Augmentation Station Flume with waterlines indicating submergence.

The downstream side of the flume has significant undercutting under the concrete downstream of the flume outlet (Figure A25) and erosion around the concrete (Figure A26). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A25 Wheatridge Augmentation Station Downstream Undercutting



Figure A26 Wheatridge Augmentation Station Downstream Sidewall Erosion

Farm 63 Recharge Facility

The infrastructure at the Farm 63 recharge facility consists of measurement upstream of the recharge ponds, four recharge pond cells, and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. The general flow path is depicted in Figure A27.



Figure A27 Farm 63 Recharge Facility Overview

Farm 63 Recharge Upstream Augmentation Station (AR230GCO)

This flume is upstream of the recharge ponds. The water is delivered via a pipeline over a lateral drain. The water is discharged into a channel upstream of the flume. Once water has been measured through the flume, it once again enters a pipe and is directed to the first cell of the recharge facility. This measurement flume is in compliance with the Functional Standards, though recent flow measurements have indicated some design issues as apparent by a negative shift to the rating.

Farm 63 Recharge Facility

This recharge facility has yet to be approved by the Division Engineer. The Engineers have been working with the applicant to conduct an infiltration test to determine if this facility recharges effectively. This test is also intended to make sure the cells are sized appropriately for intended flowrates and recharge volumes.

In this review, it was apparent that the staff gages were not in the lowest point of every pond. By design, staff gages and the corresponding stage area capacity tables are intended to accurately measure the water in a given vessel. However, if the staff gage is not in the lowest point, there is an artificially large deadpool in a vessel. The Engineers have asked the applicant to move the staff gages to the lowest point, according to the as-built drawings, once the ponds are empty. After the staff gages have been moved, the applicant will be required to do an updated survey and update the stage area capacity tables.

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's accounting. To reliably and transparently convey these staff gage readings, pressure transducers should be installed and calibrated to the staff gage. These pressure

transducers should be conveyed via telemetry as to have clear and reliable daily staff gage readings. When the pressure transducers are installed, the wires for those devices should be buried and protected from wildlife, foot traffic and the elements.

Farm 63 Downstream Augmentation Station (AR230LCO)

The augmentation station at the outlet of Farm 63 was constructed in accordance with the Functional Standards. However, there is no clear flowpath back to the river system. While it is unlikely that this recharge pond would overflow, if it were to happen, the applicant could not claim augmentation credit for the overflow from the recharge facility.

Farm 110 Recharge Facility

The infrastructure at the Farm 110 recharge facility consists of measurement upstream of the recharge ponds, one sediment pond cell, three recharge pond cells, and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. The general flow path is depicted in Figure A28.



Figure A28 Farm 110 Recharge Facility Overview

Upper Augmentation Station for 205 Recharge Facility (ARF205CO)

The Engineers did not review the upper augmentation station at this facility during the October 25, 2001 inspection.

However, DWR staff have performed site visits at this site in the past and have observed issues. June 8, 2020, DWR staff observed obstructions downstream of the site which caused overtopping conditions at the flume (Figure A29). The wing walls are in the 90 degree configuration, which is the least desirable, but does not appear to affect the flume performance. The wingwalls downstream of the flume are bowed inwards, but again do not seem to be causing any abnormalities.



Figure A29 Farm 110 Recharge Facility Measurement Device

Evidence of erosion around the flume is apparent and continued overtopping will eventually damage the flume installation. The conditions at this site have otherwise been favorable, with the flume performing within the parameters of the Functional Standards.

205 Recharge Facility

During the inspection on October 25, 2021, the Engineers observed that the sediment pond had 3.7 feet of sediment in the basin. This is depicted in Figure A30 and A31. The Engineers recommend that the pond be cleaned out, at minimum, once annually.



Figure A30 Farm 110 Recharge Facility Sediment Pond



Figure A31 Farm 110 Recharge Facility Sediment Pond Staff Gage

In the other recharge cells, the staff gages are mossy and unreadable (Figure A32). These gages should be cleaned periodically to allow them to be read from the shore.



Figure A32 Farm 110 Recharge Pond Staff Gage with Moss

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's accounting. To reliably and transparently convey these

staff gage readings, pressure transducers should be installed and calibrated to the staff gage. These pressure transducers should be conveyed via telemetry as to have clear and reliable daily staff gage readings. When the pressure transducers are installed, the wires for those devices should be buried and protected from wildlife, foot traffic and the elements.

Lower Augmentation station for 205 Recharge (AR205ECO)

The measurement flume at this augmentation station has stable upstream conditions which aid in accurate measurement of flow. However, the downstream side of the flume has undercutting of the flume outlet and erosion around the flume outlet (Figure A33). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A33 Farm 110 Recharge Outlet Flume Downstream outlet

The channel conditions upstream of the flume are unlikely to allow for optimal flow conditions. The upstream stilling pool is non-existent, and the right bank is encroaching in the flow path. There is also erosion outside of the wingwalls where water will flow around the flume if not fixed and maintained. A well-defined stilling pool should be formed upstream that stills the flow. Referencing the *Standard Operating Procedures: Discharge Measurements at Parshall Flumes* document from the Colorado Division of Water Resources, ideally, the channel upstream of the converging (upstream mouth) section of the flume should be wider than the width of the entry section of the flume and not encroach into the channel. The channel depth upstream of the flume should be 15"-18" deeper than the flume floor with a gradual transition from the channel bed up to the flume floor of 1 vertical to 4 horizontal. Deviations from these conditions result in turbulent and angular flows and poor velocity distribution across the flume cross-section.

The pool must be maintained, as the debris observed in the flume will cause turbulence as the flow enters the flume and the lack of a stilling pool will adversely affect the flow into the flume. Annual verification

measurements should be performed to evaluate the flume's consistency with the *Functional Standards for Measuring Devices* (Functional Standards) to be within $\pm 5\%$ of the standard rating for the device. If the flume is found to be operating out of the acceptable $\pm 5\%$ of the standard rating, it will be the applicant's responsibility to repair the flume and/or channel conditions so that it functions within the acceptable operational range.



Figure A34 Farm 110 Recharge Outlet Flume Upstream stilling pool

Farm 110 Storage Facility

The infrastructure at the Farm 110 storage facility consists of measurement upstream of the storage ponds, 4 sedimentation pond cells, 2 storage pond cells, 2 outlets and measurement of flows that exceed the capacity and infiltration rate of the recharge ponds. When water is delivered to the 2 large storage ponds, the conveyance channel has the ability to deliver to either or both of the storage ponds by utilizing boards to direct flow. The general flow path is depicted in Figure A35.



Figure A35 Farm 110 Storage Facility Overview

Upper Augmentation for 201 Storage Pond (ARF201CO)

The Engineers did not inspect this augmentation station on October 25, 2021. The Division 2 Hydrography group measured this flume in 2018 and at the time, it had a zero shift. However, it is the Engineers' recommendation that this inlet measurement flume be moved closer to the storage facility or another measurement flume be constructed closer to the storage facility. The water is diverted from Fort Lyon headgate 201 and then piped to an open channel that is built above grade. This channel is overgrown and if the channel has obstruction, there is a possibility that augmentation credits will be given where credit is not due.

201 Storage Ponds

This facility has installed staff gages in each cell. These staff gage readings have been correlated to a surface area and storage volume amount in a stage area capacity survey. However, it is unclear whether daily staff gage readings are recorded and used in the applicant's accounting. To reliably and transparently convey these staff gage readings, pressure transducers should be installed and calibrated to the staff gage. These pressure transducers should be conveyed via telemetry as to have clear and reliable daily staff gage readings. When the pressure transducers are installed, the wires for those devices should be buried and protected from wildlife, foot traffic and the elements.

The 2 storage ponds have outlet works at the south end of each pond. On the date of the Engineers' inspection, the outlets were silted in. It is unlikely that the outlets would operate as designed at this level of design. The outlet works should be routinely inspected and maintained in good working condition free of silting that impacts their operation.

Lower Augmentation Station for 201 Storage Pond (AR201WCO)

The channel between the storage ponds and this augmentation station is overgrown. The channel should be cleared of debris and phreatophyte growth to allow water to reach the augmentation station (Figure A36).



Figure A36 Farm 110 Storage Facility Channel between the Storage Ponds and Lower Augmentation Station

The measurement flume at this augmentation station should have stable upstream conditions once the channel is cleared of debris. However, the downstream side of the flume has undercutting of the flume outlet and erosion around the flume outlet (Figure A37). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A37 Farm 110 Storage Facility Outlet Flume Downstream Outlet

It was unclear at the October 25, 2021 inspection whether the channel that delivers augmentation credits back to the Wiley Drain would actually deliver those credits. At minimum, annual inspections of the channel should be conducted to ensure the channel is clear of obstruction.

Graveyard Creek Augmentation Station (ARF181CO)

This augmentation station is constructed in accordance with the Functional Standards. There is a clear path of delivery of augmentation credits to Graveyard Creek.

McClave Augmentation Station (ARF166CO)

There is slight erosion around the upstream mouth of this augmentation station (Figure A38). This is not an immediate concern, but the progression of the erosion should be monitored. The downstream side of the flume has undercutting under the concrete downstream of the flume outlet (Figure A39). This is of concern if this erosion allows water to flow around or under the flume. This type of erosion around the flume could prevent the flume from remaining level in all directions as required by the Functional Standards. The flume should be monitored and measured regularly to assess compliance with the Functional Standards.



Figure A38 McClave Augmentation Station Upstream Flume Mouth



Figure A39 McClave Augmentation Station Downstream Erosion and Undercutting

It was unclear at the October 25, 2021 inspection whether the channel that delivers augmentation credits back to the Arkansas River would actually deliver those credits. At minimum, annual inspections of the channel should be conducted to ensure the channel is clear of obstruction. Until this conveyance structure's ability to deliver augmentation credits at the river is confirmed, there should be no credits claimed for any overflow measured at this gage.

Limestone Augmentation Station (ARF160CO)

This augmentation station is constructed in accordance with the Functional Standards. There is a clear path of delivery of augmentation credits to Limestone Creek.

A generalized overview map with the major structures involved with this case can be found in Figure A40.



November 30, 2022

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 2022, first described in the letter of March 31, 2022, which provided the initial notice of delivery of water from this replacement source for 2022.

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.

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 2021 through April 2022 was being distributed into accounts. In 2022, 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

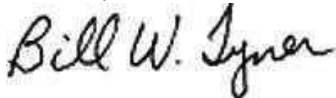
Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Keesee Ditch for 2022.

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	87.10	86.97
May	316.18	316.17
June	315.12	314.82
July	307.21	307.21
August	290.47	290.47
September	234.18	233.94
October	207.03	207.04
Total	1757.29	1756.62

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

Sincerely,



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

1 Enclosure

cc: Kevin Salter Rachel Duran Dale Book Randy Hendrix Dan Steuer
Bethany Arnold Phil Reynolds Lonnie Spady Ayrton Hendrix Rachel Zancanella

Enclosure 1

Keesee Ditch Accounting for 2022

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?	T-Loss to Historic HG	Return flows cfs	Total by-pass cfs
4/1/2022	[5]	0.00		0.00	Yes	10.00%	0.00	0.00
4/2/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/3/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/4/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/5/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/6/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/7/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/8/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/9/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/10/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/11/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/12/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/13/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/14/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/15/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/16/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/17/2022		0.00		0.00	Yes	10.00%	0.00	0.00
4/18/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/19/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/20/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/21/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/22/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/23/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/24/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/25/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/26/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/27/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/28/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/29/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
4/30/2022	9.00	6.70	4.50	6.69	No	10.00%	2.48	5.85
Total Diversion AF=	232.07	87.10	116.03	86.97				
Max Diversion AF=	350.00	Actual Diversion AF=	348.10	AF				
Max Monthly CU AF=	262.50	Actual CU AF=	174.07	AF				
		End of Month Adjustment	0.00	AF				
CU factor for April =		75.0%						
Cumulative Annual Diversion AF=		348.10						
Maximum Annual Diversion AF=		5006						

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?	Loss to Historic HG	Return flows cfs	Total by-pass cfs
5/1/2022	9.00	6.88	4.50	6.87	No	10.00%	2.28	5.74
5/2/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/3/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/4/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/5/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/6/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/7/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/8/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/9/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/10/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/11/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/12/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/13/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/14/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/15/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/16/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/17/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/18/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/19/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/20/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/21/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/22/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/23/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/24/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/25/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/26/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/27/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/28/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/29/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/30/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
5/31/2022	13.50	10.31	6.75	10.31	No	10.00%	3.42	8.62
Total Diversion AF=	821.17	316.18	410.58	316.17				
Max Diversion AF=	890.00	Actual Diversion AF=	821.17	AF				
Max Monthly CU AF=	230.00	Actual CU AF=	632.35	AF				
		End of Month Adjustment	402.35	AF				
CU factor for May =		77.0%						
Cumulative Annual Diversion AF=		1169.27						
Maximum Annual Diversion AF=		5006						

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?	T-Loss to Historic HG	Return flows cfs	Total by-pass cfs
6/1/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/2/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/3/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/4/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/5/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/6/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/7/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/8/2022	28.50	20.64	14.25	20.63	No	10.00%	8.46	18.86
6/9/2022	28.50	20.64	14.25	20.63	No	10.00%	8.46	18.86
6/10/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/11/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/12/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/13/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/14/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/15/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/16/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/17/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/18/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/19/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/20/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/21/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/22/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/23/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/24/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/25/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/26/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/27/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/28/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/29/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
6/30/2022	13.50	9.78	6.75	9.77	No	10.00%	4.01	8.94
Total Diversion AF=	862.82	315.12	431.41	314.82				
Max Diversion AF=	862.00 [5]	Actual Diversion AF=	862.82	AF	60.9%	<< LAWMA reduction percentage for June (normally 86		
Max Monthly CU AF=	629.26	Actual CU AF= [6]	629.94	AF				
		End of Month Adjustment=	0.68	AF				
	CU factor for June =		73.0%					
	Cumulative Annual Diversion AF=		2032.10					
	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	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11	In Conservation Storage?	Loss to Historic HG	Return flows cfs	Total by-pass cfs
	(cfs) [1]	(ac-ft) [2]	(cfs) [3]	(ac-ft) [4]				
7/1/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/2/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/3/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/4/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/5/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/6/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/7/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/8/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/9/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/10/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/11/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/12/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/13/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/14/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/15/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/16/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/17/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/18/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/19/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/20/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/21/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/22/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/23/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/24/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/25/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/26/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/27/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/28/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/29/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/30/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
7/31/2022	13.50	9.91	6.75	9.91	No	10.00%	3.86	8.86
Total Diversion AF=	830.09	307.21	415.05	307.21				
Max Diversion AF=	786.00	Actual Diversion AF=	830.09	AF				
Max Monthly CU AF=	445.00	Actual CU AF= [5]	614.42	AF				
		End of Month Adjustment=	169.42	AF				
	CU factor for July =	74.0%						
	Cumulative Annual Diversion AF=	2862.19	Adjusted Max	786				
	Maximum Annual Diversion AF=	5006						
Limit Monthly river headgate diversions to 445 a/f delivered to Offset Acct.								
Limit Monthly river headgate diversions to 445 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?	Loss to Historic HG	Return flows cfs	Total by-pass cfs
8/1/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/2/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/3/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/4/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/5/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/6/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/7/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/8/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/9/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/10/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/11/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/12/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/13/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/14/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/15/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/16/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/17/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/18/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/19/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/20/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/21/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/22/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/23/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/24/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/25/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/26/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/27/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/28/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/29/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/30/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
8/31/2022	13.50	9.37	6.75	9.37	No		10.00%	4.46	9.18
Total Diversion AF=	830.09	290.47	401.66	290.47					
Max Diversion AF=	351.00	Actual Diversion AF=	830.09	AF					
Max Monthly CU AF=	351.00	Actual CU AF= [5]	580.94	AF					
		End of Month Adjustment=	229.94	AF					
	CU factor for August =	70.0%							
	Cumulative Annual Diversion AF=	3692.29							
	Maximum Annual Diversion AF=	5006							
Limit Monthly river headgate diversions to 351 a/f delivered to Offset Acct.									
Limit Monthly river headgate diversions to 351 a/f delivered to river for in-state replacement.									

Date	Keesee in Priority (cfs)	Computed CU Water to Account 53 or 55 (ac-ft)	Keesee Bypassed for In- (cfs)	Computed CU Water to Reach 11 (ac-ft)	In Conservation Storage?	T-Loss to Historic	Return flows cfs	Total by-pass cfs
9/1/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/2/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/3/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/4/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/5/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/6/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/7/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/8/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/9/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/10/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/11/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/12/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/13/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/14/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/15/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/16/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/17/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/18/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/19/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/20/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/21/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/22/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/23/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/24/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/25/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/26/2022	13.50	8.71	6.75	8.70	No	10.00%	5.20	9.59
9/27/2022	11.99	7.72	6.00	7.74	No	10.00%	4.62	8.52
9/28/2022	0.00	0.00	0.00	0.00	No	10.00%	0.00	0.00
9/29/2022	0.00	0.00	0.00	0.00	No	10.00%	0.00	0.00
9/30/2022	0.00	0.00	0.00	0.00	No	10.00%	0.00	0.00
Total Diversion AF=	719.99	234.18		233.94				
Max Diversion AF=	720.00	Actual Diversion AF=	719.99	AF				
Max Monthly CU AF	468.00	Actual CU AF=	468.12	AF				

End of Month Adjustmen 0.12 AF

CU factor for September = 65.0%
Cumulative Annual Diversion AF= 4412.28
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.



November, 30, 2022

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 2022, first described in the letter of March 31, 2021, which provided the initial notice of the delivery of water from this replacement source for 2022.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for 2022 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary’s Report.

All LAWMA deliveries during 2022 were made to the Offset Account in John Martin Reservoir

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.



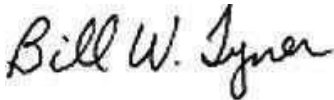
The following table summarizes the actual deliveries of water into the Offset Account (and Permanent Pool) during the reporting period from the Highland Canal water rights.

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	240.93	12.56	253.5	0.00	0.00	241.32
May	49.81	2.47	52.28	0.00	0.00	49.00
June	31.20	1.55	32.75	0.00	0.00	9.13
July	649.42	32.40	681.82	0.00	0.00	582.50
August	672.66	33.51	706.17	0.00	0.00	678.50
September	33.07	1.67	34.74	0.00	0.00	34.59
October	0.27	0.02	0.29	0.00	0.00	0.40
	1,677.36	84.19	1,761.55	0.00	0.00	1,595.45

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

Sincerely,



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

Enclosures (4)

cc: Kevin Salter Rachel Duran Dale Book Ayrton Hendrix
Randy Hendrix Dan Steuer Bethany Arnold Phil Reynolds
Lonnie Spady Rachel Zancanella

Enclosure 1

Highland Canal Accounting for 2022

LAWMA Highland Accounting 2022

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows		Total
																				LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]	
4/1/2022	10.70	0.00	No	10.70	10.70	10.20	0.50	0.017	0.006	0.049	0.08671	acre ft	10.70	11.9	27.9	39.8	0.290	0.290	0.290	10.20	0.50	3.92	0.19	4.11
4/2/2022	9.33	0.00	No	9.33	9.33	8.89	0.44	0.017	0.006	0.049	0.08671	11.94	9.33	12.2	28.2	40.4	0.290	0.290	0.290	8.89	0.44	3.42	0.17	3.58
4/3/2022	7.00	0.00	No	7.00	7.00	6.67	0.33	0.017	0.006	0.049	0.08671	10.42	7.00	10.9	27.3	38.2	0.290	0.290	0.290	6.67	0.33	2.56	0.12	2.69
4/4/2022	9.53	0.00	No	9.53	9.53	9.08	0.45	0.017	0.006	0.049	0.08671	7.81	9.53	9.4	28.1	37.5	0.290	0.290	0.290	9.08	0.45	3.49	0.17	3.66
4/5/2022	11.10	0.00	No	11.10	11.10	10.58	0.52	0.017	0.006	0.049	0.08671	10.64	11.10	12.3	25.9	38.2	0.290	0.290	0.290	10.58	0.52	4.06	0.20	4.26
4/6/2022	11.20	0.00	No	11.20	11.20	10.68	0.52	0.017	0.006	0.049	0.08671	12.39	11.20	12.2	25.9	38.1	0.290	0.290	0.290	10.68	0.52	4.10	0.20	4.30
4/7/2022	11.00	0.00	No	11.00	11.00	10.49	0.51	0.017	0.006	0.049	0.08671	12.50	11.00	12.3	26.7	39.0	0.290	0.290	0.290	10.49	0.51	4.03	0.20	4.22
4/8/2022	10.40	0.00	No	10.40	10.40	9.91	0.49	0.017	0.006	0.049	0.08671	12.28	10.40	12.5	27.6	40.1	0.290	0.290	0.290	9.91	0.49	3.81	0.18	3.99
4/9/2022	10.80	0.00	No	10.80	10.80	10.29	0.51	0.017	0.006	0.049	0.08671	11.61	10.80	12.1	27.7	39.8	0.290	0.290	0.290	10.29	0.51	3.95	0.19	4.14
4/10/2022	11.20	0.00	No	11.20	11.20	10.68	0.52	0.017	0.006	0.049	0.08671	12.06	11.20	12.3	27.0	39.3	0.290	0.290	0.290	10.68	0.52	4.10	0.20	4.30
4/11/2022	10.00	0.00	No	10.00	10.00	9.53	0.47	0.017	0.006	0.049	0.08671	12.50	10.00	11.9	27.3	39.2	0.290	0.290	0.290	9.53	0.47	3.66	0.18	3.84
4/12/2022	8.74	0.00	No	8.74	8.74	8.33	0.41	0.017	0.006	0.049	0.08671	11.16	8.74	11.7	25.4	37.1	0.290	0.290	0.290	8.33	0.41	3.20	0.15	3.35
4/13/2022	8.60	0.00	No	8.60	8.60	8.20	0.40	0.017	0.006	0.049	0.08671	9.76	8.60	11.5	26.8	38.3	0.290	0.290	0.290	8.20	0.40	3.15	0.15	3.30
4/14/2022	8.01	0.00	No	8.01	8.01	7.64	0.37	0.017	0.006	0.049	0.08671	9.60	8.01	18.5	28.4	46.9	0.290	0.290	0.290	7.64	0.37	2.93	0.14	3.07
4/15/2022	7.73	0.00	No	7.73	7.73	7.37	0.36	0.017	0.006	0.049	0.08671	8.94	7.73	22.9	26.9	49.8	0.290	0.290	0.290	7.37	0.36	2.83	0.14	2.97
4/16/2022	7.50	0.00	No	7.50	7.50	7.15	0.35	0.017	0.006	0.049	0.08671	8.63	7.50	17.1	27.7	44.8	0.290	0.290	0.290	7.15	0.35	2.75	0.13	2.88
4/17/2022	7.44	0.00	No	7.44	7.44	7.09	0.35	0.017	0.006	0.049	0.08671	8.37	7.44	17.6	30.4	48.0	0.290	0.290	0.290	7.09	0.35	2.72	0.13	2.86
4/18/2022	7.50	0.00	Yes	7.50	7.50	7.15	0.35	0.017	0.006	0.049	0.08671	8.31	7.50	16.4	30.5	46.9	0.290	0.290	0.290	7.15	0.35	2.75	0.13	2.88
4/19/2022	7.02	0.00	Yes	7.02	7.02	6.69	0.33	0.017	0.006	0.049	0.08671	8.37	7.02	10.4	29.1	39.5	0.290	0.290	0.290	6.69	0.33	2.57	0.12	2.69
4/20/2022	6.74	0.00	Yes	6.74	6.74	6.42	0.32	0.017	0.006	0.049	0.08671	7.84	6.74	9.5	26.0	35.5	0.290	0.290	0.290	6.42	0.32	2.47	0.12	2.59
4/21/2022	6.38	0.00	Yes	6.38	6.38	6.08	0.30	0.017	0.006	0.049	0.08671	7.52	6.38	9.1	23.5	32.6	0.290	0.290	0.290	6.08	0.30	2.34	0.11	2.45
4/22/2022	5.61	0.00	Yes	5.61	5.61	5.35	0.26	0.017	0.006	0.049	0.08671	7.12	5.61	7.3	16.2	23.5	0.290	0.290	0.290	5.35	0.26	2.05	0.10	2.15
4/23/2022	4.83	0.00	Yes	4.83	4.83	4.60	0.23	0.017	0.006	0.049	0.08671	6.26	4.83	7.4	14.5	21.9	0.290	0.290	0.290	4.60	0.23	1.77	0.09	1.85
4/24/2022	5.01	0.00	Yes	5.01	5.01	4.78	0.23	0.017	0.006	0.049	0.08671	5.39	5.01	8.1	16.0	24.1	0.290	0.290	0.290	4.78	0.23	1.83	0.09	1.92
4/25/2022	3.29	0.00	Yes	3.29	3.29	3.14	0.15	0.017	0.006	0.049	0.08671	5.59	3.29	8.3	16.3	24.6	0.290	0.290	0.290	3.14	0.15	1.20	0.06	1.26
4/26/2022	2.57	0.00	Yes	2.57	2.57	2.45	0.12	0.017	0.006	0.049	0.08671	3.67	2.57	7.7	16.1	23.8	0.290	0.290	0.290	2.45	0.12	0.94	0.05	0.99
4/27/2022	2.50	0.00	Yes	2.50	2.50	2.38	0.12	0.017	0.006	0.049	0.08671	2.87	2.50	12.0	16.6	28.6	0.290	0.290	0.290	2.38	0.12	0.92	0.04	0.96
4/28/2022	2.53	0.00	Yes	2.53	2.53	2.41	0.12	0.017	0.006	0.049	0.08671	2.79	2.53	14.3	16.6	30.9	0.290	0.290	0.290	2.41	0.12	0.93	0.04	0.97
4/29/2022	1.92	0.00	Yes	1.92	1.92	1.83	0.09	0.017	0.006	0.049	0.08671	2.82	1.92	12.0	15.6	27.6	0.290	0.290	0.290	1.83	0.09	0.70	0.03	0.74
4/30/2022	1.79	0.00	Yes	1.79	1.79	1.71	0.08	0.017	0.006	0.049	0.08671	2.14	1.79	6.7	16.2	22.9	0.290	0.290	0.290	1.71	0.08	0.66	0.03	0.69
5/1/2022	1.58	0.00	Yes									2.00		5.6	16.0									

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

241.32

TOTAL AF	412	20	
02CW181 CU factor for April =	61.6%		
10CW85 CU factor for April =	62.1%		
02CW181 LAWMA SHARES =	3402		
10CW85 LAWMA SHARES =	167		
DIVERTED SHARES =	231		
TOTAL SHARES =	3800		
		02CW181 Cumulative Annual LAWMA=	412
		02CW181 Annual Limit LAWMA=	12862
		10CW85 Cumulative Annual Leased=	20
		10CW85 Annual Limit Leased=	602
		253,8618277	100%
		12,5629159	100%

MAX = 493 [24] 37 [25] <<Normally 1445 for 02CW181 and 71 for 10CW85

Exceeded? No No

LAWMA Highland Accounting 2022

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits

April 2022

Date	In Stream in Priority (cfs) [1]	LAWMA's Instream Portion (cfs) [2]	Transit Loss to JMR (%) [3]	Arrival Rate at JMR (cfs) [4]	Arrival Quantity at JMR (ac-ft) [5]	Computed CU Water at JMR (ac-ft) [6]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [7]	Amount of CU Water to Offset Account (ac-ft) [8]	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	
4/2/2022	10.70	10.70	0.08671	9.77	19.38	11.94	0.67	No	No	Yes	0.00	0.00	11.94	0.00	0.00	0.00	4	6.5441277	11.00	0.59
4/3/2022	9.33	9.33	0.08671	8.52	16.90	10.42	0.57	No	No	Yes	0.00	0.00	10.42	0.00	0.00	0.00	3	5.7062347	9.00	0.572
4/4/2022	7.00	7.00	0.08671	6.39	12.68	7.81	0.41	No	No	Yes	0.00	0.00	7.81	0.00	0.00	0.00	2	4.2812056	7.00	0.554
4/5/2022	9.53	9.53	0.08671	8.70	17.26	10.64	0.59	No	No	Yes	0.00	0.00	10.64	0.00	0.00	0.00	3	5.8285544	10.00	0.581
4/6/2022	11.10	11.10	0.08671	10.14	20.11	12.39	0.69	No	No	Yes	0.00	0.00	12.39	0.00	0.00	0.00	4	6.7887684	11.00	0.59
4/7/2022	11.20	11.20	0.08671	10.23	20.29	12.50	0.70	No	No	Yes	0.00	0.00	12.50	0.00	0.00	0.00	4	6.8499284	11.00	0.59
4/8/2022	11.00	11.00	0.08671	10.05	19.93	12.28	0.69	No	No	Yes	0.00	0.00	12.28	0.00	0.00	0.00	4	6.7276084	11.00	0.59
4/9/2022	10.40	10.40	0.08671	9.50	18.84	11.61	0.64	No	No	Yes	0.00	0.00	11.61	0.00	0.00	0.00	4	6.3606474	10.00	0.581
4/10/2022	10.80	10.80	0.08671	9.86	19.56	12.06	0.68	No	No	Yes	0.00	0.00	12.06	0.00	0.00	0.00	4	6.6052874	11.00	0.59
4/11/2022	11.20	11.20	0.08671	10.23	20.29	12.50	0.70	No	No	Yes	0.00	0.00	12.50	0.00	0.00	0.00	4	6.8499284	11.00	0.59
4/12/2022	10.00	10.00	0.08671	9.13	18.12	11.16	0.62	No	No	Yes	0.00	0.00	11.16	0.00	0.00	0.00	4	6.1160072	10.00	0.581
4/13/2022	8.74	8.74	0.08671	7.98	15.83	9.76	0.53	No	No	Yes	0.00	0.00	9.76	0.00	0.00	0.00	3	5.3453904	9.00	0.572
4/14/2022	8.60	8.60	0.08671	7.85	15.58	9.60	0.52	No	No	Yes	0.00	0.00	9.60	0.00	0.00	0.00	3	5.2597664	9.00	0.572
4/15/2022	8.01	8.01	0.08671	7.32	14.51	8.94	0.48	No	No	Yes	0.00	0.00	8.94	0.00	0.00	0.00	3	4.8989214	8.00	0.563
4/16/2022	7.73	7.73	0.08671	7.06	14.00	8.63	0.46	No	No	Yes	0.00	0.00	8.63	0.00	0.00	0.00	3	4.7276734	8.00	0.563
4/17/2022	7.50	7.50	0.08671	6.85	13.59	8.37	0.45	No	No	Yes	0.00	0.00	8.37	0.00	0.00	0.00	3	4.5870054	8.00	0.563
4/18/2022	7.44	7.44	0.08671	6.79	13.48	8.31	0.44	No	No	Yes	0.00	0.00	8.31	0.00	0.00	0.00	3	4.5503094	7.00	0.554
4/19/2022	7.50	7.50	0.08671	6.85	13.59	8.37	0.45	No	No	Yes	0.00	0.00	8.37	0.00	0.00	0.00	3	4.5870054	8.00	0.563
4/20/2022	7.02	7.02	0.08671	6.41	12.72	7.84	0.41	No	No	Yes	0.00	0.00	7.84	0.00	0.00	0.00	2	4.2934374	7.00	0.554
4/21/2022	6.74	6.74	0.08671	6.16	12.21	7.52	0.40	No	No	Yes	0.00	0.00	7.52	0.00	0.00	0.00	2	4.1221884	7.00	0.554
4/22/2022	6.38	6.38	0.08671	5.83	11.56	7.12	0.37	No	No	Yes	0.00	0.00	7.12	0.00	0.00	0.00	2	3.9020124	6.00	0.545
4/23/2022	5.61	5.61	0.08671	5.12	10.16	6.26	0.32	No	No	Yes	0.00	0.00	6.26	0.00	0.00	0.00	2	3.4310804	6.00	0.545
4/24/2022	4.83	4.83	0.08671	4.41	8.75	5.39	0.27	No	No	Yes	0.00	0.00	5.39	0.00	0.00	0.00	2	2.9540314	5.00	0.536
4/25/2022	5.01	5.01	0.08671	4.58	9.08	5.59	0.28	No	No	Yes	0.00	0.00	5.59	0.00	0.00	0.00	2	3.0641194	5.00	0.536
4/26/2022	3.29	3.29	0.08671	3.00	5.96	3.67	0.18	No	No	Yes	0.00	0.00	3.67	0.00	0.00	0.00	1	2.0121664	3.00	0.518
4/27/2022	2.57	2.57	0.08671	2.35	4.66	2.87	0.14	No	No	Yes	0.00	0.00	2.87	0.00	0.00	0.00	1	1.5718134	3.00	0.518
4/28/2022	2.50	2.50	0.08671	2.28	4.53	2.79	0.14	No	No	Yes	0.00	0.00	2.79	0.00	0.00	0.00	1	1.5290014	3.00	0.518
4/29/2022	2.53	2.53	0.08671	2.31	4.58	2.82	0.14	No	No	Yes	0.00	0.00	2.82	0.00	0.00	0.00	1	1.5473494	3.00	0.518
4/30/2022	1.92	1.92	0.08671	1.75	3.48	2.14	0.10	No	No	Yes	0.00	0.00	2.14	0.00	0.20	0.23	1	1.1742734	2.00	0.509
5/1/2022	1.79	1.79	0.08671	1.63	3.24	2.00	0.10	No	No	Yes	0.00	0.00	2.00	0.00	0.17	0.20	1	1.0947654	2.00	0.509
Totals												0.00	241.32	0.00 [9]						
Entire Month of April																				
Total In Stream Priority 432.34																				
LAWMA's Instream Portion 432.34																				
Arrival Amount at JMR 394.85																				
Return Flow Obligation 165.92																				
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR) 37.49																				
CU Arrival at JMR 243.32																				
Total CU Bypassed for In-State Replacement 0.00																				
Total CU Water to Permanent Pool 0.00																				
Total CU Water to Offset Account 243.32																				
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85) 13.13 [10]																				
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) 13.13																				

LAWMA HIGHLAND ACCOUNTING 2022

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows			Total
																				LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]		
5/1/2022	1.58	0.00	Yes	1.58	1.58	1.51	0.07	0.017	0.006	0.049	0.08671	acre ft	1.6	5.59	16.00	21.59	0.290	0.290	0.290	1.51	0.07	0.49	0.02	0.51	
5/2/2022	1.21	0.00	Yes	1.21	1.21	1.15	0.06	0.017	0.006	0.049	0.08671	1.94	1.2	5.50	15.50	21.00	0.290	0.290	0.290	1.15	0.06	0.37	0.02	0.39	
5/3/2022	6.71	1.78	Yes	8.49	6.71	6.40	0.31	0.017	0.006	0.049	0.08671	1.48	6.7	5.37	15.10	20.47	0.290	0.290	0.290	6.40	0.31	2.07	0.10	2.17	
5/4/2022	5.04	3.21	Yes	8.25	5.04	4.80	0.24	0.017	0.006	0.049	0.08671	8.22	5.0	7.85	15.70	23.55	0.290	0.290	0.290	4.80	0.24	1.56	0.07	1.63	
5/5/2022	6.59	2.77	Yes	9.36	6.59	6.28	0.31	0.017	0.006	0.049	0.08671	6.17	6.6	10.60	19.80	30.40	0.290	0.290	0.290	6.28	0.31	2.04	0.10	2.13	
5/6/2022	5.95	3.09	Yes	9.04	5.95	5.67	0.28	0.017	0.006	0.049	0.08671	8.07	6.0	11.30	36.60	47.90	0.290	0.290	0.290	5.67	0.28	1.84	0.09	1.93	
5/7/2022	2.08	3.16	Yes	5.24	2.08	1.98	0.10	0.017	0.006	0.049	0.08671	7.29	2.1	9.68	25.30	34.98	0.290	0.290	0.290	1.98	0.10	0.64	0.03	0.67	
5/8/2022	0.47	3.29	Yes	3.76	0.47	0.45	0.02	0.017	0.006	0.049	0.08671	2.55	0.5	7.83	18.10	25.93	0.290	0.290	0.290	0.45	0.02	0.15	0.01	0.15	
5/9/2022	0.12	2.45	Yes	2.57	0.12	0.11	0.01	0.017	0.006	0.049	0.08671	0.58	0.1	6.08	18.90	24.98	0.290	0.290	0.290	0.11	0.01	0.04	0.00	0.04	
5/10/2022	0.10	1.25	Yes	1.35	0.10	0.10	0.00	0.017	0.006	0.049	0.08671	0.14	0.1	6.21	18.40	24.61	0.290	0.290	0.290	0.10	0.00	0.03	0.00	0.03	
5/11/2022	0.09	0.41	Yes	0.50	0.09	0.09	0.00	0.017	0.006	0.049	0.08671	0.13	0.1	3.94	17.70	21.64	0.290	0.290	0.290	0.09	0.00	0.03	0.00	0.03	
5/12/2022	0.14	0.43	Yes	0.58	0.14	0.13	0.01	0.017	0.006	0.049	0.08671	0.11	0.1	3.81	15.20	19.01	0.290	0.290	0.290	0.13	0.01	0.04	0.00	0.05	
5/13/2022	0.17	0.44	Yes	0.60	0.17	0.16	0.01	0.017	0.006	0.049	0.08671	0.17	0.2	3.23	15.80	19.03	0.290	0.290	0.290	0.16	0.01	0.05	0.00	0.05	
5/14/2022	0.15	0.43	Yes	0.58	0.15	0.14	0.01	0.017	0.006	0.049	0.08671	0.20	0.1	3.08	15.90	18.98	0.290	0.290	0.290	0.14	0.01	0.05	0.00	0.05	
5/15/2022	0.16	0.38	Yes	0.54	0.16	0.15	0.01	0.017	0.006	0.040	0.075120	0.18	0.2	3.19	55.60	58.79	0.290	0.290	0.233	0.15	0.01	0.05	0.00	0.05	
5/16/2022	0.13	0.37	Yes	0.49	0.13	0.12	0.01	0.017	0.006	0.021	0.053365	0.20	0.1	4.97	236.00	240.97	0.290	0.290	0.126	0.12	0.01	0.04	0.00	0.04	
5/17/2022	0.11	0.36	Yes	0.47	0.11	0.10	0.00	0.017	0.006	0.019	0.050112	0.16	0.1	12.20	395.00	407.20	0.290	0.290	0.110	0.10	0.00	0.03	0.00	0.03	
5/18/2022	0.20	0.38	Yes	0.57	0.20	0.19	0.01	0.017	0.006	0.019	0.050112	0.13	0.2	2.92	413.00	415.92	0.290	0.290	0.110	0.19	0.01	0.06	0.00	0.06	
5/19/2022	0.11	0.26	Yes	0.37	0.11	0.11	0.01	0.017	0.006	0.019	0.050112	0.25	0.1	2.65	389.00	391.65	0.290	0.290	0.110	0.11	0.01	0.03	0.00	0.04	
5/20/2022	0.13	0.23	Yes	0.36	0.13	0.12	0.01	0.017	0.006	0.014	0.044012	0.14	0.1	3.03	611.00	614.03	0.290	0.290	0.080	0.12	0.01	0.04	0.00	0.04	
5/21/2022	0.14	0.11	Yes	0.25	0.14	0.13	0.01	0.017	0.006	0.014	0.044012	0.17	0.1	3.54	706.00	709.54	0.290	0.290	0.080	0.13	0.01	0.04	0.00	0.04	
5/22/2022	0.14	0.05	Yes	0.18	0.14	0.13	0.01	0.017	0.006	0.014	0.044012	0.18	0.1	2.75	834.00	836.75	0.290	0.290	0.080	0.13	0.01	0.04	0.00	0.04	
5/23/2022	0.14	0.04	Yes	0.18	0.14	0.13	0.01	0.017	0.006	0.000	0.027747	0.18	0.1	2.58	1270.00	1272.58	0.290	0.290	FALSE	0.13	0.01	0.04	0.00	0.04	
5/24/2022	0.94	0.01	Yes	0.95	0.94	0.90	0.04	0.017	0.006	0.000	0.027747	0.18	0.9	3.59	2180.00	2183.59	0.290	0.290	FALSE	0.90	0.04	0.29	0.01	0.30	
5/25/2022	1.55	0.01	No	1.56	1.55	1.48	0.07	0.017	0.006	0.000	0.027747	1.23	1.6	4.51	2120.00	2124.51	0.290	0.290	FALSE	1.48	0.07	0.48	0.02	0.50	
5/26/2022	1.60	0.01	No	1.61	1.60	1.53	0.07	0.017	0.006	0.000	0.027747	2.02	1.6	7.83	1680.00	1687.83	0.290	0.290	FALSE	1.53	0.07	0.49	0.02	0.52	
5/27/2022	1.25	0.00	No	1.25	1.25	1.19	0.06	0.017	0.006	0.014	0.044012	2.09	1.3	5.64	799.00	804.64	0.290	0.290	0.080	1.19	0.06	0.39	0.02	0.40	
5/28/2022	0.85	0.00	No	0.85	0.85	0.81	0.04	0.017	0.006	0.014	0.044012	1.60	0.9	3.34	540.00	543.34	0.290	0.290	0.080	0.81	0.04	0.26	0.01	0.28	
5/29/2022	0.68	0.00	No	0.68	0.68	0.65	0.03	0.017	0.006	0.019	0.050112	1.10	0.7	3.26	443.00	446.26	0.290	0.290	0.110	0.65	0.03	0.21	0.01	0.22	
5/30/2022	0.23	0.00	No	0.23	0.23	0.21	0.01	0.017	0.006	0.019	0.050112	0.87	0.2	6.86	348.00	354.86	0.290	0.290	0.110	0.21	0.01	0.07	0.00	0.07	
5/31/2022	0.23	0.00	No	0.23	0.23	0.22	0.01	0.017	0.006	0.019	0.050112	0.29	0.2	4.76	311.00	315.76	0.290	0.290	0.110	0.22	0.01	0.07	0.00	0.07	
6/1/2022	0.21	0.00	No	0.21	0.21	0.20	0.01	0.017	0.006	0.019	0.050112	0.29	0.2	8.06	348.00	356.06	0.290	0.290	0.110	0.20	0.01	0.07	0.00	0.07	

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

Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	74	4
02CW181 CU factor for May =	67.6%	
10CW85 CU factor for May =	68.3%	
02CW181 LAWMA SHARES =	3402	
10CW85 LAWMA SHARES =	167	
DIVERTED SHARES =	231	
TOTAL SHARES =	3800	
	02CW181 Cumulative Annual LAWMA=	486
	02CW181 Annual Limit LAWMA=	12862
	10CW85 Cumulative Annual Leased=	24
	10CW85 Annual Limit Leased=	602
	49.80993934	100%
	2	7%

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

LAWMA Highland Accounting 2022

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits May 2022

Date	In Stream in Priority (cfs) [1]	LAWMA's Instream Portion (cfs) [2]	Transit Loss to JMR (%) [3]	Arrival Rate at JMR (cfs) [4]	Arrival Quantity at JMR (ac-ft) [5]	Computed CU Water at JMR (ac-ft) [6]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [7]	Amount of CU Water to Offset Account (ac-ft) [8]	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
5/2/2022	1.58	1.58	0.08671	1.44	2.86	1.94	0.09	No	No	Yes	0.00	0.00	1.94	0.00	0.20	0.23	0	1.060563	0.509
5/3/2022	1.21	1.21	0.08671	1.11	2.19	1.48	0.07	No	No	Yes	0.00	0.00	1.48	0.00	0.12	0.14	0	0.812203	0.5
5/4/2022	6.71	6.71	0.08671	5.37	10.65	7.20	1.00	No	No	Yes	0.00	0.00	7.20	0.00	8.25	9.54	2	3.946799	0.554
5/5/2022	5.04	5.04	0.08671	4.60	9.13	6.17	0.31	No	No	Yes	0.00	0.00	6.17	0.00	15.10	17.46	1	3.383062	0.536
5/6/2022	6.59	6.59	0.08671	6.02	11.94	8.07	0.42	No	No	Yes	0.00	0.00	8.07	0.00	12.90	14.92	2	4.423488	0.554
5/7/2022	5.95	5.95	0.08671	5.43	10.78	7.29	0.38	No	No	Yes	0.00	0.00	7.29	0.00	12.60	14.57	2	3.993892	0.545
5/8/2022	2.08	2.08	0.08671	1.90	3.77	2.55	0.12	No	No	Yes	0.00	0.00	2.55	0.00	12.20	14.11	1	1.396184	0.509
5/9/2022	0.47	0.47	0.08671	0.43	0.86	0.58	0.00	No	No	Yes	0.00	0.00	0.58	0.00	12.10	13.99	0	0.318168	0.00
5/10/2022	0.12	0.12	0.08671	0.11	0.21	0.14	0.00	No	No	Yes	0.00	0.00	0.14	0.00	11.40	13.18	0	0.078535	0.00
5/11/2022	0.10	0.10	0.08671	0.09	0.19	0.13	0.00	No	No	Yes	0.00	0.00	0.13	0.00	11.00	12.72	0	0.069809	0.00
5/12/2022	0.09	0.09	0.08671	0.08	0.17	0.11	0.00	No	No	Yes	0.00	0.00	0.11	0.00	10.80	12.49	0	0.062224	0.00
5/13/2022	0.14	0.14	0.08671	0.13	0.26	0.17	0.00	No	No	Yes	0.00	0.00	0.17	0.00	13.00	15.03	0	0.094645	0.00
5/14/2022	0.17	0.17	0.08671	0.15	0.30	0.20	0.00	No	No	Yes	0.00	0.00	0.20	0.00	12.10	13.99	0	0.111426	0.00
5/15/2022	0.15	0.15	0.08671	0.14	0.27	0.18	0.00	No	No	Yes	0.00	0.00	0.18	0.00	10.40	12.03	0	0.099343	0.00
5/16/2022	0.16	0.16	0.07512	0.15	0.29	0.20	0.00	No	No	Yes	0.00	0.00	0.20	0.00	9.27	10.72	0	0.107601	0.00
5/17/2022	0.13	0.13	0.05337	0.12	0.23	0.16	0.00	No	No	Yes	0.00	0.00	0.16	0.00	8.87	10.26	0	0.084300	0.00
5/18/2022	0.11	0.11	0.05011	0.10	0.20	0.13	0.00	No	No	Yes	0.00	0.00	0.13	0.00	1.64	1.90	0	0.070836	0.00
5/19/2022	0.20	0.20	0.05011	0.19	0.37	0.25	0.00	No	No	Yes	0.00	0.00	0.25	0.00	6.89	7.97	0	0.132227	0.00
5/20/2022	0.11	0.11	0.05011	0.11	0.21	0.14	0.00	No	No	Yes	0.00	0.00	0.14	0.00	8.59	9.93	0	0.074883	0.00
5/21/2022	0.13	0.13	0.04401	0.13	0.25	0.17	0.00	No	No	Yes	0.00	0.00	0.17	0.00	10.10	11.68	0	0.088427	0.00
5/22/2022	0.14	0.14	0.04401	0.13	0.26	0.18	0.00	No	No	Yes	0.00	0.00	0.18	0.00	10.50	12.14	0	0.093152	0.00
5/23/2022	0.14	0.14	0.04401	0.13	0.26	0.18	0.00	No	No	Yes	0.00	0.00	0.18	0.00	10.70	12.37	0	0.093152	0.00
5/24/2022	0.14	0.14	0.02775	0.13	0.27	0.18	0.00	No	No	Yes	0.00	0.00	0.18	0.00	12.50	14.45	0	0.093261	0.00
5/25/2022	0.94	0.94	0.02775	0.91	1.81	1.23	0.02	No	No	Yes	0.00	0.00	1.23	0.00	15.10	17.46	0	0.635934	0.5
5/26/2022	1.55	1.55	0.02775	1.51	2.99	2.02	0.03	No	No	Yes	0.00	0.00	2.02	0.00	20.50	23.71	0	1.047500	0.509
5/27/2022	1.60	1.60	0.02775	1.56	3.09	2.09	0.03	No	No	Yes	0.00	0.00	2.09	0.00	21.50	24.86	1	1.081290	0.509
5/28/2022	1.25	1.25	0.04401	1.19	2.37	1.60	0.04	No	No	Yes	0.00	0.00	1.60	0.00	16.90	19.54	0	0.843771	0.5
5/29/2022	0.85	0.85	0.04401	0.82	1.62	1.10	0.03	No	No	Yes	0.00	0.00	1.10	0.00	15.60	18.04	0	0.576464	0.5
5/30/2022	0.68	0.68	0.05011	0.65	1.28	0.87	0.02	No	No	Yes	0.00	0.00	0.87	0.00	13.10	15.15	0	0.459422	0.5
5/31/2022	0.23	0.23	0.05011	0.21	0.42	0.29	0.00	No	No	Yes	0.00	0.00	0.29	0.00	13.20	15.26	0	0.151791	0.00
6/1/2022	0.23	0.23	0.05011	0.21	0.43	0.29	0.00	No	No	Yes	0.00	0.00	0.29	0.00	14.20	16.42	0	0.152466	0.00
						2.56						0.00	49.00	0.00 [9]					

Entire Month of May

Total In Stream Priority	77.30
LAWMA's Instream Portion	77.30
Arrival Amount at JMR	69.93
Return Flow Obligation	25.02
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	7.38
CU Arrival at JMR	47.29
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	47.29 Amount per Highland Agreement
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85)	2.56 [10] 2.56
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)	2.56

LAWMA Highland Accounting 2022

Date	1 Purgatoire @ Highland River Gage [1]	2 Canal Flume [2]	3 WD 67 River Call? [3]	4 Available in Priority No 67 Call [4]	5 In Stream in Priority [5]	6 LAWMA's 02CW181 Portion [6]	6B LAWMA's 10CW85 Portion [7]	7 Loss#1 [8]	8 Loss#2 [9]	9 Loss#3 [10]	10 LAWMA Lossctr [11]	11 acrefct [12]	12 Lrg@hgh [13]	13 Lrg@LA [14]	14 Lrg@LA [15]	15 Lrg@LA [16]	16 Lrg@LA [17]	17 Lrg@LA [18]	18 Lrg@LA [19]	Limit Check		Return Flows		Total
																				LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]	
6/1/2022	0.21	0.00	No	0.21	0.21	0.20	0.01	0.017	0.006	0.019	0.050112	0.30	0.2	8.1	348.0	356.1	0.290	0.290	0.110	0.20	0.01	0.05	0.00	0.05
6/2/2022	0.19	0.00	No	0.19	0.19	0.18	0.01	0.017	0.006	0.014	0.044012	0.30	0.2	3.9	579.0	582.9	0.290	0.290	0.080	0.18	0.01	0.05	0.00	0.05
6/3/2022	0.15	0.00	No	0.15	0.15	0.14	0.01	0.017	0.006	0.014	0.044012	0.27	0.2	3.1	571.0	574.1	0.290	0.290	0.080	0.14	0.01	0.04	0.00	0.04
6/4/2022	0.09	0.00	No	0.09	0.09	0.08	0.00	0.017	0.006	0.014	0.044012	0.22	0.1	4.2	528.0	532.2	0.290	0.290	0.080	0.08	0.00	0.02	0.00	0.02
6/5/2022	0.66	0.00	No	0.66	0.66	0.62	0.03	0.017	0.006	0.019	0.050112	0.13	0.7	8.4	329.0	337.4	0.290	0.290	0.110	0.62	0.03	0.15	0.01	0.16
6/6/2022	0.61	0.00	Yes	0.61	0.61	0.58	0.03	0.017	0.006	0.019	0.050112	0.93	0.6	10.2	319.0	329.2	0.290	0.290	0.110	0.58	0.03	0.14	0.01	0.15
6/7/2022	0.59	0.00	Yes	0.59	0.59	0.56	0.03	0.017	0.006	0.019	0.050112	0.86	0.6	5.9	338.0	343.9	0.290	0.290	0.110	0.56	0.03	0.14	0.01	0.15
6/8/2022	0.77	0.00	Yes	0.77	0.77	0.73	0.04	0.017	0.006	0.019	0.050112	0.84	0.8	8.4	379.0	387.4	0.290	0.290	0.110	0.73	0.04	0.18	0.01	0.19
6/9/2022	0.27	0.00	Yes	0.27	0.27	0.26	0.01	0.017	0.006	0.021	0.053365	1.09	0.3	5.9	209.0	214.9	0.290	0.290	0.126	0.26	0.01	0.06	0.00	0.07
6/10/2022	0.93	0.00	Yes	0.93	0.93	0.88	0.04	0.017	0.006	0.021	0.053365	0.38	0.9	3.9	205.0	208.9	0.290	0.290	0.126	0.88	0.04	0.22	0.01	0.23
6/11/2022	1.78	0.00	Yes	1.78	1.78	1.70	0.08	0.017	0.006	0.021	0.053365	1.31	1.8	3.5	246.0	249.5	0.290	0.290	0.126	1.70	0.08	0.42	0.02	0.44
6/12/2022	15.70	0.00	Yes	15.70	15.70	14.97	0.73	0.017	0.006	0.019	0.050112	2.52	15.7	2.7	343.0	345.7	0.290	0.290	0.110	14.97	0.73	3.71	0.17	3.89
6/13/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	22.26	0.0	2.4	369.0	371.4	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/14/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	7.9	401.0	408.9	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/15/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	9.0	454.0	463.0	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/16/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	10.7	474.0	484.7	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/17/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.014	0.044012	0.00	0.0	4.1	502.0	506.1	0.290	0.290	0.080	0.00	0.00	0.00	0.00	0.00
6/18/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.014	0.044012	0.00	0.0	2.8	502.0	504.8	0.290	0.290	0.080	0.00	0.00	0.00	0.00	0.00
6/19/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.014	0.044012	0.00	0.0	3.7	528.0	531.7	0.290	0.290	0.080	0.00	0.00	0.00	0.00	0.00
6/20/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.014	0.044012	0.00	0.0	3.5	584.0	587.5	0.290	0.290	0.080	0.00	0.00	0.00	0.00	0.00
6/21/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	3.8	425.0	428.8	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/22/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.021	0.053365	0.00	0.0	3.8	281.0	284.8	0.290	0.290	0.126	0.00	0.00	0.00	0.00	0.00
6/23/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.026	0.059261	0.00	0.0	2.0	195.0	197.0	0.290	0.290	0.155	0.00	0.00	0.00	0.00	0.00
6/24/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.026	0.059261	0.00	0.0	2.0	183.0	185.0	0.290	0.290	0.155	0.00	0.00	0.00	0.00	0.00
6/25/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.021	0.053365	0.00	0.0	4.0	265.0	269.0	0.290	0.290	0.126	0.00	0.00	0.00	0.00	0.00
6/26/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	2.0	383.0	385.0	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/27/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	1.5	339.0	340.5	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/28/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.021	0.053365	0.00	0.0	1.4	289.0	290.4	0.290	0.290	0.126	0.00	0.00	0.00	0.00	0.00
6/29/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	1.2	375.0	376.2	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
6/30/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.050112	0.00	0.0	0.8	391.0	391.8	0.290	0.290	0.110	0.00	0.00	0.00	0.00	0.00
7/1/2022	0.00	0.00	Yes									0.00		0.8	363.0									

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

Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	41	2	
MAX =	3402	167 [24]	<<Normally 2172 for 02CW181 and 107 for 10CW85
Exceeded?	No	No	
02CW181 Cumulative Annual LAWMA=	527		
02CW181 Annual Limit LAWMA=	12862		
10CW85 Cumulative Annual Leased=	26		
10CW85 Annual Limit Leased=	602		

31.1985068 100% 31.1985068
 1.55389857 100% 1.55389857
 32.7524068

LAWMA Highland Accounting 2022

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits June 2022

Date	In Stream in Priority (cfs) [1]	LAWMA's Instream Portion (cfs) [2]	Transit Loss to JMR (%) [3]	Arrival Rate at JMR (cfs) [4]	Arrival Quantity at JMR (ac-ft) [5]	Computed CU Water at JMR (ac-ft) [6]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [7]	Amount of CU Water to Offset Account (ac-ft) [8]	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	
6/2/2022	0.21	0.21	0.05011	0.20	0.40	0.30	0.00	No	No	Yes	0.00	0.00	0.30	0.00	11.70	13.53	0	0.1591324	0.00	0
6/3/2022	0.19	0.19	0.04401	0.18	0.36	0.27	0.00	No	No	Yes	0.00	0.00	0.27	0.00	11.40	13.18	0	0.1434518	0.00	0
6/4/2022	0.15	0.15	0.04401	0.15	0.29	0.22	0.00	No	No	Yes	0.00	0.00	0.22	0.00	12.20	14.11	0	0.1141606	0.00	0
6/5/2022	0.09	0.09	0.04401	0.08	0.17	0.13	0.00	No	No	Yes	0.00	0.00	0.13	0.00	11.80	13.65	0	0.0660930	0.00	0
6/6/2022	0.66	0.66	0.05011	0.62	1.23	0.93	0.02	No	No	Yes	0.00	0.00	0.93	0.00	12.60	14.57	0	0.4916593	1.00	0.5
6/7/2022	0.61	0.61	0.05011	0.58	1.15	0.86	0.02	No	No	Yes	0.00	0.00	0.86	0.00	12.70	14.69	0	0.4571305	1.00	0.5
6/8/2022	0.59	0.59	0.05011	0.56	1.11	0.84	0.02	No	No	Yes	0.00	0.00	0.84	0.00	15.90	18.39	0	0.4436190	1.00	0.5
6/9/2022	0.77	0.77	0.05011	0.73	1.45	1.09	0.03	No	No	Yes	0.00	0.00	1.09	0.00	17.90	20.70	0	0.5772305	1.00	0.5
6/10/2022	0.27	0.27	0.05337	0.25	0.51	0.38	0.00	No	No	Yes	0.00	0.00	0.38	0.00	13.30	15.38	0	0.2018495	0.00	0
6/11/2022	0.93	0.93	0.05337	0.88	1.74	1.31	0.04	No	No	Yes	0.00	0.00	1.31	0.00	11.20	12.95	0	0.6955945	1.00	0.5
6/12/2022	1.78	1.78	0.05337	1.69	3.34	2.52	0.07	No	No	Yes	0.00	0.00	2.52	0.00	10.50	12.14	0	1.3356615	2.00	0.509
6/13/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.10	11.68	0	0	16.00	0.64616
6/14/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.10	11.68	0	0	0.00	0
6/15/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.94	11.49	0	0	0.00	0
6/16/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.70	12.37	0	0	0.00	0
6/17/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.80	12.49	0	0	0.00	0
6/18/2022	0.00	0.00	0.04401	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.90	12.60	0	0	0.00	0
6/19/2022	0.00	0.00	0.04401	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.80	12.49	0	0	0.00	0
6/20/2022	0.00	0.00	0.04401	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.20	11.80	0	0	0.00	0
6/21/2022	0.00	0.00	0.04401	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.00	11.56	0	0	0.00	0
6/22/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.98	11.54	0	0	0.00	0
6/23/2022	0.00	0.00	0.05337	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.35	10.81	0	0	0.00	0
6/24/2022	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.87	11.41	0	0	0.00	0
6/25/2022	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	11.10	12.84	0	0	0.00	0
6/26/2022	0.00	0.00	0.05337	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.22	10.66	0	0	0.00	0
6/27/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.60	12.26	0	0	0.00	0
6/28/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.97	11.53	0	0	0.00	0
6/29/2022	0.00	0.00	0.05337	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.30	11.91	0	0	0.00	0
6/30/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.10	11.68	0	0	0.00	0
7/1/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.48	10.96	0	0	0.00	0
							0.21					0.00	9.13				0			
												0.00	8.84	0.00 [9]						

Entire Month of June

Total In Stream Priority	43.52
LAWMA's Instream Portion	43.52
Arrival Amount at JMR	11.75
Return Flow Obligation	10.77
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	31.78
CU Arrival at JMR	8.84
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	8.84 Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	0.21 [10]
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)	0.21

LAWMA Highland Accounting 2022

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check				Return Flows	
																				LAWMA's 02CW181 Portion [6]	LAWMA's 10CW85 Portion [7]	LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]
7/1/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.0501124	acre ft	0.0	0.76	363.00	363.76	0.290	0.290	0.110	0.00	0.00	0.00	0.00		
7/2/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.019	0.0501124	0.00	0.0	0.96	318.00	318.96	0.290	0.290	0.110	0.00	0.00	0.00	0.00		
7/3/2022	779.00	0.25	Yes	62.50	23.75	22.64	1.11	0.005	0.002	0.014	0.0246376	0.00	779.0	459.00	230.00	689.00	0.080	0.110	0.080	22.64	1.11	4.73	0.22	4.95	
7/4/2022	101.00	0.04	Yes	62.50	23.96	22.83	1.12	0.011	0.004	0.021	0.04360616	36.37	101.0	117.00	152.00	269.00	0.188	0.188	0.126	22.83	1.12	4.77	0.22	4.99	
7/5/2022	40.20	0.00	Yes	40.20	24.00	22.88	1.12	0.017	0.006	0.021	0.05336552	35.97	40.2	48.90	196.00	244.90	0.290	0.290	0.126	22.88	1.12	4.78	0.22	5.00	
7/6/2022	21.90	0.04	Yes	21.94	21.90	20.88	1.02	0.017	0.006	0.021	0.05336552	35.67	21.9	19.30	233.00	252.30	0.290	0.290	0.126	20.88	1.02	4.36	0.20	4.56	
7/7/2022	15.80	0.22	Yes	16.02	15.80	15.06	0.74	0.017	0.006	0.019	0.0501124	32.55	15.8	19.00	467.00	486.00	0.290	0.290	0.110	15.06	0.74	3.15	0.14	3.29	
7/8/2022	78.70	0.11	Yes	62.50	23.89	22.78	1.12	0.014	0.006	0.019	0.04602208	23.57	78.7	41.10	433.00	474.10	0.233	0.290	0.110	22.78	1.12	4.76	0.22	4.98	
7/9/2022	123.00	0.03	Yes	62.50	23.97	22.85	1.12	0.011	0.003	0.019	0.03956368	35.79	123.0	155.00	292.00	447.00	0.188	0.155	0.110	22.85	1.12	4.77	0.22	4.99	
7/10/2022	32.10	0.00	Yes	32.10	24.00	22.88	1.12	0.017	0.005	0.019	0.04874896	36.14	32.1	32.1	56.00	258.00	314.00	0.290	0.233	0.110	22.88	1.12	4.78	0.22	5.00
7/11/2022	13.90	0.00	Yes	13.90	13.90	13.25	0.65	0.017	0.006	0.019	0.0501124	35.84	13.9	26.40	311.00	337.40	0.290	0.290	0.110	13.25	0.65	2.77	0.13	2.90	
7/12/2022	7.63	0.00	Yes	7.63	7.63	7.27	0.36	0.017	0.006	0.021	0.05336552	20.73	7.6	19.10	270.00	289.10	0.290	0.290	0.126	7.27	0.36	1.52	0.07	1.59	
7/13/2022	4.56	0.00	Yes	4.56	4.56	4.35	0.21	0.017	0.006	0.021	0.05336552	11.34	4.6	14.50	230.00	244.50	0.290	0.290	0.126	4.35	0.21	0.91	0.04	0.95	
7/14/2022	91.80	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.005	0.019	0.04465864	6.78	91.8	65.30	247.00	312.30	0.233	0.233	0.110	22.88	1.12	4.78	0.22	5.00	
7/15/2022	60.50	0.00	Yes	60.50	24.00	22.88	1.12	0.014	0.005	0.021	0.04791176	36.00	60.5	94.60	189.00	283.60	0.233	0.233	0.126	22.88	1.12	4.78	0.22	5.00	
7/16/2022	28.90	0.00	Yes	28.90	24.00	22.88	1.12	0.017	0.006	0.032	0.06597136	35.88	28.9	42.50	101.00	143.50	0.290	0.290	0.188	22.88	1.12	4.78	0.22	5.00	
7/17/2022	16.80	0.00	Yes	16.80	16.80	16.01	0.79	0.017	0.006	0.040	0.07512076	35.20	16.8	25.40	72.00	97.40	0.290	0.290	0.233	16.01	0.79	3.35	0.15	3.50	
7/18/2022	11.10	0.00	Yes	11.10	11.10	10.58	0.52	0.017	0.006	0.040	0.07512076	24.40	11.1	16.10	60.80	76.90	0.290	0.290	0.233	10.58	0.52	2.21	0.10	2.31	
7/19/2022	8.53	0.00	Yes	8.53	8.53	8.13	0.40	0.017	0.006	0.040	0.07512076	16.12	8.5	10.80	51.50	62.30	0.290	0.290	0.233	8.13	0.40	1.70	0.08	1.78	
7/20/2022	7.04	0.00	Yes	7.04	7.04	6.71	0.33	0.017	0.006	0.040	0.07512076	12.39	7.0	9.01	58.40	67.41	0.290	0.290	0.233	6.71	0.33	1.40	0.06	1.47	
7/21/2022	10.00	0.00	Yes	10.00	10.00	9.53	0.47	0.017	0.006	0.040	0.07512076	10.22	10.0	8.93	73.70	82.63	0.290	0.290	0.233	9.53	0.47	1.99	0.09	2.08	
7/22/2022	8.63	0.00	Yes	8.63	8.63	8.23	0.40	0.017	0.006	0.040	0.07512076	14.52	8.6	9.83	86.70	96.53	0.290	0.290	0.233	8.23	0.40	1.72	0.08	1.80	
7/23/2022	7.62	0.00	Yes	7.62	7.62	7.26	0.36	0.017	0.006	0.040	0.07512076	12.53	7.6	8.18	66.40	74.58	0.290	0.290	0.233	7.26	0.36	1.52	0.07	1.59	
7/24/2022	4.97	0.00	Yes	4.97	4.97	4.74	0.23	0.017	0.006	0.049	0.08671	11.07	5.0	6.91	41.60	48.51	0.290	0.290	0.290	4.74	0.23	0.99	0.05	1.04	
7/25/2022	8.93	0.09	Yes	9.02	8.93	8.51	0.42	0.017	0.006	0.040	0.07512076	7.13	8.9	35.90	48.70	84.60	0.290	0.290	0.233	8.51	0.42	1.78	0.08	1.86	
7/26/2022	3.20	0.00	Yes	3.20	3.20	3.05	0.15	0.017	0.006	0.040	0.07512076	12.97	3.2	13.80	63.40	77.20	0.290	0.290	0.233	3.05	0.15	0.64	0.03	0.67	
7/27/2022	2.87	0.00	Yes	2.87	2.87	2.74	0.13	0.017	0.006	0.040	0.07512076	4.65	2.9	5.67	46.80	52.47	0.290	0.290	0.233	2.74	0.13	0.57	0.03	0.60	
7/28/2022	14.30	0.00	Yes	14.30	14.30	13.63	0.67	0.017	0.006	0.040	0.07512076	4.17	14.3	6.24	82.60	88.84	0.290	0.290	0.233	13.63	0.67	2.85	0.13	2.98	
7/29/2022	8.39	0.13	Yes	8.52	8.39	8.00	0.39	0.017	0.006	0.021	0.05336552	20.77	8.4	28.90	245.00	273.90	0.290	0.290	0.126	8.00	0.39	1.67	0.08	1.75	
7/30/2022	18.50	0.00	Yes	18.50	18.50	17.63	0.87	0.017	0.006	0.019	0.0501124	12.47	18.5	9.54	351.00	360.54	0.290	0.290	0.110	17.63	0.87	3.69	0.17	3.86	
7/31/2022	24.30	0.00	Yes	24.30	24.00	22.88	1.12	0.017	0.006	0.021	0.05336552	27.59	24.3	16.50	255.00	271.50	0.290	0.290	0.126	22.88	1.12	4.78	0.22	5.00	
8/1/2022	16.50	0.00	Yes									35.67		21.70	224.00										

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

Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	821	40	
02CW181 CU factor for July =	79.1%		
MAX =	2369	116	
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
	649.4	100%	649.4
	32.4	100%	32.4
			681.8

LAWMA Highland Accounting 2022

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits July 2022

Date	In Stream in Priority (cfs) [1]	LAWMA's Instream Portion (cfs) [2]	Transit Loss to JMR (%) [3]	Arrival Rate at JMR (cfs) [4]	Arrival Quantity at JMR (ac-ft) [5]	Computed CU Water at JMR (ac-ft) [6]	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft) [7]	Amount of CU Water to Offset Account (ac-ft) [8]	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
7/2/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.48	10.96	0	0	0.00
7/3/2022	0.00	0.00	0.05011	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	9.99	11.55	0	0	0.00
7/4/2022	23.75	23.75	0.02464	23.17	45.95	36.37	0.74	No	No	Yes	0.00	0.00	36.37	0.00	10.30	11.91	5	18.79007	779.00
7/5/2022	23.96	23.96	0.04361	22.91	45.44	35.97	1.31	No	No	Yes	0.00	0.00	35.97	0.00	12.80	14.80	5	18.92747	101.00
7/6/2022	24.00	24.00	0.05337	22.72	45.06	35.67	1.61	No	No	Yes	0.00	0.00	35.67	0.00	19.90	23.01	5	18.94449	40.00
7/7/2022	21.90	21.90	0.05337	19.30	38.28	30.30	2.92	No	No	Yes	0.00	0.00	30.30	0.00	14.90	17.23	4	16.09336	22.00
7/8/2022	15.80	15.80	0.05011	15.01	29.77	23.57	0.80	No	No	Yes	0.00	0.00	23.57	0.00	11.40	13.18	3	12.47600	16.00
7/9/2022	23.89	23.89	0.04602	22.79	45.21	35.79	1.38	No	No	Yes	0.00	0.00	35.79	0.00	11.90	13.76	5	18.87383	79.00
7/10/2022	23.97	23.97	0.03956	23.02	45.66	36.14	1.19	No	No	Yes	0.00	0.00	36.14	0.00	10.20	11.80	5	18.94372	123.00
7/11/2022	24.00	24.00	0.04875	22.83	45.28	35.84	1.42	No	No	Yes	0.00	0.00	35.84	0.00	10.50	12.14	5	18.95205	32.00
7/12/2022	13.90	13.90	0.05011	13.20	26.19	20.73	0.68	No	No	Yes	0.00	0.00	20.73	0.00	10.60	12.26	3	10.97572	14.00
7/13/2022	7.63	7.63	0.05337	7.22	14.33	11.34	0.36	No	No	Yes	0.00	0.00	11.34	0.00	9.78	11.31	2	6.022770	8.00
7/14/2022	4.56	4.56	0.05337	4.32	8.56	6.78	0.20	No	No	Yes	0.00	0.00	6.78	0.00	9.53	11.02	1	3.599453	5.00
7/15/2022	24.00	24.00	0.04466	22.93	45.48	36.00	1.35	No	No	Yes	0.00	0.00	36.00	0.00	10.90	12.60	5	18.96070	92.00
7/16/2022	24.00	24.00	0.04791	22.85	45.32	35.88	1.44	No	No	Yes	0.00	0.00	35.88	0.00	11.30	13.07	5	18.95498	61.00
7/17/2022	24.00	24.00	0.06597	22.42	44.46	35.20	1.90	No	No	Yes	0.00	0.00	35.20	0.00	11.00	12.72	5	18.91591	29.00
7/18/2022	16.80	16.80	0.07512	15.54	30.82	24.40	1.30	No	No	Yes	0.00	0.00	24.40	0.00	11.30	13.07	3	13.22397	17.00
7/19/2022	11.10	11.10	0.07512	10.27	20.36	16.12	0.77	No	No	Yes	0.00	0.00	16.12	0.00	8.57	9.91	2	8.737266	11.00
7/20/2022	8.53	8.53	0.07512	7.89	15.65	12.39	0.58	No	No	Yes	0.00	0.00	12.39	0.00	0.00	0.00	1	6.714313	9.00
7/21/2022	7.04	7.04	0.07512	6.51	12.91	10.22	0.46	No	No	Yes	0.00	0.00	10.22	0.00	0.00	0.00	2	5.541473	7.00
7/22/2022	10.00	10.00	0.07512	8.93	17.71	14.02	0.98	No	No	Yes	0.00	0.00	14.02	0.00	0.00	0.00	2	7.600095	10.00
7/23/2022	8.63	8.63	0.07512	7.98	15.83	12.53	0.58	No	No	Yes	0.00	0.00	12.53	0.00	0.00	0.00	2	6.793028	9.00
7/24/2022	7.62	7.62	0.07512	7.05	13.98	11.07	0.51	No	No	Yes	0.00	0.00	11.07	0.00	0.00	0.00	1	5.998015	8.00
7/25/2022	4.97	4.97	0.08671	4.54	9.00	7.13	0.36	No	No	Yes	0.00	0.00	7.13	0.00	0.00	0.00	1	3.904712	5.00
7/26/2022	8.93	8.93	0.07512	8.26	16.38	12.97	0.60	No	No	Yes	0.00	0.00	12.97	0.00	3.54	4.09	2	7.029170	9.00
7/27/2022	3.20	3.20	0.07512	2.96	5.87	4.65	0.20	No	No	Yes	0.00	0.00	4.65	0.00	10.60	12.26	1	2.518851	3.00
7/28/2022	2.87	2.87	0.07512	2.65	5.27	4.17	0.18	No	No	Yes	0.00	0.00	4.17	0.00	11.60	13.41	1	2.259095	3.00
7/29/2022	14.30	14.30	0.07512	6.24	12.38	9.80	7.89	No	No	Yes	0.00	0.00	9.80	0.00	11.00	12.72	1	5.310704	14.00
7/30/2022	8.39	8.39	0.05337	7.94	15.75	12.47	0.40	No	No	Yes	0.00	0.00	12.47	0.00	1.42	1.64	2	6.622679	8.00
7/31/2022	18.50	18.50	0.05011	9.54	18.92	14.98	9.58	No	No	Yes	0.00	0.00	14.98	0.00	8.85	10.23	2	7.930389	19.00
8/1/2022	24.00	24.00	0.05337	16.50	32.73	25.91	8.70	No	No	Yes	0.00	0.00	25.91	0.00	12.80	14.80	3	13.75857	24.00
							41.68					0.00	582.50	0.00 [9]					

Entire Month of July

Total In Stream Priority	861.31
LAWMA's Instream Portion	861.31
Arrival Amount at JMR	768.57
Return Flow Obligation	179.49
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	92.74
CU Arrival at JMR	608.41
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	608.41
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	50.37 [10]
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)	50.37

Amount per Highland Agreement

50.37

LAWMA Highland Accounting 2022

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	Limit Check		Return Flows			
																				LAWMA's 02CW181 Portion [20]	LAWMA's 10CW85 Portion [21]	LAWMA's 02CW181 Portion [22]	LAWMA's 10CW85 Portion [23]	Total	
8/1/2022	16.50	0.00	Yes	16.50	16.50	15.73		0.77	0.017	0.006	0.021	0.0533655	acre ft	16.5	21.70	224.00	245.70	0.290	0.290	0.126	15.73	0.77	3.04	0.14	3.18
8/2/2022	7.66	0.00	Yes	7.66	7.66	7.30		0.36	0.017	0.006	0.019	0.0501124	25.02	7.7	10.70	307.00	317.70	0.290	0.290	0.110	7.30	0.36	1.41	0.06	1.47
8/3/2022	3.92	0.00	Yes	3.92	3.92	3.74		0.18	0.017	0.006	0.021	0.0533655	11.65	3.9	6.24	228.00	234.24	0.290	0.290	0.126	3.74	0.18	0.72	0.03	0.75
8/4/2022	1.67	0.00	Yes	1.67	1.67	1.59		0.08	0.017	0.006	0.026	0.0592618	5.94	1.7	3.93	172.00	175.93	0.290	0.290	0.155	1.59	0.08	0.31	0.01	0.32
8/5/2022	0.40	0.00	Yes	0.40	0.40	0.38		0.02	0.017	0.006	0.032	0.0659713	2.52	0.4	2.44	125.00	127.44	0.290	0.290	0.188	0.38	0.02	0.07	0.00	0.08
8/6/2022	5.82	9.30	Yes	15.12	5.82	5.55		0.27	0.017	0.006	0.040	0.0751207	0.59	5.8	1.87	77.80	79.67	0.290	0.290	0.233	5.55	0.27	1.07	0.05	1.12
8/7/2022	4.57	4.54	Yes	9.11	4.57	4.36		0.21	0.017	0.006	0.040	0.0751207	8.62	4.6	18.50	57.40	75.90	0.290	0.290	0.233	4.36	0.21	0.84	0.04	0.88
8/8/2022	140.00	0.20	Yes	62.50	23.81	22.89		1.11	0.011	0.005	0.026	0.0505788	6.77	140.0	96.00	65.10	161.10	0.188	0.233	0.155	22.69	1.11	4.38	0.20	4.58
8/9/2022	227.00	0.25	Yes	62.50	23.76	22.64		1.11	0.008	0.003	0.021	0.037674	36.20	227.0	208.00	51.70	259.70	0.126	0.126	0.126	22.64	1.11	4.37	0.20	4.57
8/10/2022	143.00	0.34	Yes	62.50	23.66	22.55		1.11	0.011	0.003	0.021	0.0421231	36.62	143.0	212.00	70.10	282.10	0.188	0.126	0.126	22.55	1.11	4.35	0.20	4.55
8/11/2022	55.50	0.35	Yes	55.85	23.65	22.55		1.11	0.014	0.005	0.019	0.0446586	36.31	55.5	86.40	220.00	306.40	0.233	0.233	0.110	22.55	1.11	4.35	0.20	4.55
8/12/2022	30.20	0.36	Yes	30.56	23.64	22.54		1.11	0.017	0.006	0.021	0.0533655	36.20	30.2	49.90	162.00	211.90	0.290	0.290	0.126	22.54	1.11	4.35	0.20	4.55
8/13/2022	18.50	0.36	Yes	18.86	18.50	17.63		0.87	0.017	0.006	0.032	0.0659713	35.85	18.5	32.90	79.50	112.40	0.290	0.290	0.188	17.63	0.87	3.40	0.16	3.56
8/14/2022	12.20	0.33	Yes	12.53	12.20	11.63		0.57	0.017	0.006	0.040	0.0751207	27.68	12.2	20.70	47.00	67.70	0.290	0.290	0.233	11.63	0.57	2.24	0.10	2.35
8/15/2022	8.52	0.33	Yes	8.85	8.52	8.12		0.40	0.017	0.006	0.049	0.08671	18.07	8.5	14.70	33.70	48.40	0.290	0.290	0.290	8.12	0.40	1.57	0.07	1.64
8/16/2022	9.11	0.26	Yes	9.37	9.11	8.68		0.43	0.017	0.006	0.049	0.08671	12.46	9.1	14.30	32.80	47.10	0.290	0.290	0.290	8.68	0.43	1.68	0.08	1.75
8/17/2022	124.00	0.33	Yes	62.50	23.67	22.57		1.11	0.011	0.005	0.026	0.0505788	13.33	124.0	81.60	68.50	150.10	0.188	0.233	0.155	22.57	1.11	4.36	0.20	4.56
8/18/2022	174.00	0.38	Yes	62.50	23.62	22.52		1.11	0.009	0.003	0.019	0.0365019	36.00	174.0	234.00	161.00	395.00	0.155	0.126	0.110	22.52	1.11	4.35	0.20	4.55
8/19/2022	184.00	0.36	Yes	62.50	23.64	22.53		1.11	0.009	0.003	0.019	0.0371956	36.46	184.0	187.00	127.00	314.00	0.155	0.155	0.110	22.53	1.11	4.35	0.20	4.55
8/20/2022	77.50	0.27	Yes	62.50	23.73	22.62		1.11	0.014	0.004	0.026	0.0527316	36.46	77.5	107.00	84.20	191.20	0.233	0.188	0.155	22.62	1.11	4.37	0.20	4.57
8/21/2022	39.00	0.11	Yes	39.11	23.89	22.77		1.12	0.017	0.005	0.026	0.0578983	36.00	39.0	54.70	120.00	174.70	0.290	0.233	0.155	22.77	1.12	4.40	0.20	4.60
8/22/2022	25.70	0.01	Yes	25.71	23.99	22.87		1.12	0.017	0.006	0.026	0.0592618	36.05	25.7	36.10	119.00	155.10	0.290	0.290	0.155	22.87	1.12	4.41	0.20	4.62
8/23/2022	19.30	0.00	Yes	19.30	19.30	18.40		0.90	0.017	0.006	0.032	0.0659713	36.15	19.3	31.30	112.00	143.30	0.290	0.290	0.188	18.40	0.90	3.55	0.16	3.71
8/24/2022	15.20	0.00	Yes	15.20	15.20	14.49		0.71	0.017	0.006	0.032	0.0659713	28.88	15.2	25.70	117.00	142.70	0.290	0.290	0.188	14.49	0.71	2.80	0.13	2.93
8/25/2022	14.20	0.00	Yes	14.20	14.20	13.54		0.66	0.017	0.006	0.040	0.0751207	22.74	14.2	24.70	73.00	97.70	0.290	0.290	0.233	13.54	0.66	2.61	0.12	2.73
8/26/2022	10.40	0.09	Yes	10.49	10.40	9.91		0.49	0.017	0.006	0.040	0.0751207	21.04	10.4	15.30	45.40	60.70	0.290	0.290	0.233	9.91	0.49	1.91	0.09	2.00
8/27/2022	8.65	0.14	Yes	8.79	8.65	8.25		0.40	0.017	0.006	0.040	0.0751207	15.41	8.7	13.00	37.40	50.40	0.290	0.290	0.233	8.25	0.40	1.59	0.07	1.66
8/28/2022	7.38	0.01	Yes	7.39	7.38	7.03		0.35	0.017	0.006	0.040	0.0751207	12.81	7.4	11.80	55.60	67.40	0.290	0.290	0.233	7.03	0.35	1.36	0.06	1.42
8/29/2022	5.34	0.00	Yes	5.34	5.34	5.09		0.25	0.017	0.006	0.040	0.0751207	10.93	5.3	10.40	55.30	65.70	0.290	0.290	0.233	5.09	0.25	0.98	0.05	1.03
8/30/2022	5.09	0.00	Yes	5.09	5.09	4.85		0.24	0.017	0.006	0.040	0.0751207	7.91	5.1	12.30	47.20	59.50	0.290	0.290	0.233	4.85	0.24	0.94	0.04	0.98
8/31/2022	5.37	0.00	Yes	5.37	5.37	5.12		0.25	0.017	0.006	0.040	0.0751207	7.54	5.4	14.90	35.30	50.20	0.290	0.290	0.233	5.12	0.25	0.99	0.05	1.03
9/1/2022	3.66	0.00	Yes										7.96		10.80	30.00									

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

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for August =	80.7%	TOTAL AF	834	41
10CW85 CU factor for August =	81.9%	MAX =	2570	92
		Exceeded?	No	No
02CW181 LAWMA SHARES =	3402	02CW181 Cumulative Annual LAWMA=	2629	
10CW85 LAWMA SHARES =	167	02CW181 Annual Limit LAWMA=	12862	
DIVERTED SHARES =	231	10CW85 Cumulative Annual Leased=	115	
TOTAL SHARES =	3800	10CW85 Annual Limit Leased=	602	
		672.6622932	100%	672.66%
		34	100%	33.5111

Date	1 @ Highland River Gage	2 Canal Flume	3 WD 67 River Call?	4 Available in Priority No 67 Call	5 In Stream in Priority	6 LAWMA's 02CW181 Portion	6B LAWMA's 10CW85 Portion	7 trloss#1	8 trloss#2	9 trloss#3	10 LAWMA lossfctr	11 crdtoffst acre ft	12 Purg@hgt	13 Purg@LA	14 Ark@LA	15 Arkconfl	16 factor#1	17 factor#2	18 factor#3	Limit Check				Return Flows			
																				LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	Total			
9/1/2022	3.66	0.00	Yes	3.66	3.66	3.49	0.17	0.017	0.006	0.049	0.08671	4.50	3.7	10.8	30.0	40.8	0.290	0.290	0.290	3.49	0.17	1.12	0.05	1.18			
9/2/2022	1.90	0.00	Yes	1.90	1.90	1.81	0.09	0.017	0.006	0.049	0.08671	4.50	1.9	6.8	37.7	44.5	0.290	0.290	0.290	1.81	0.09	0.58	0.03	0.61			
9/3/2022	1.29	0.17	Yes	1.46	1.29	1.23	0.06	0.017	0.006	0.049	0.08671	2.34	1.3	5.8	33.1	38.9	0.290	0.290	0.290	1.23	0.06	0.40	0.02	0.41			
9/4/2022	0.61	0.02	Yes	0.62	0.61	0.58	0.03	0.017	0.006	0.049	0.08671	1.59	0.6	4.6	26.5	31.1	0.290	0.290	0.290	0.58	0.03	0.19	0.01	0.19			
9/5/2022	8.27	0.00	Yes	8.27	8.27	7.88	0.39	0.017	0.006	0.049	0.08671	0.75	8.3	3.8	24.3	28.1	0.290	0.290	0.290	7.88	0.39	2.54	0.12	2.66			
9/6/2022	4.92	0.00	Yes	4.92	4.92	4.69	0.23	0.017	0.006	0.049	0.08671	10.17	4.9	10.4	26.3	36.7	0.290	0.290	0.290	4.69	0.23	1.51	0.07	1.58			
9/7/2022	2.70	0.00	Yes	2.70	2.70	2.57	0.13	0.017	0.006	0.049	0.08671	6.05	2.7	7.2	22.1	29.3	0.290	0.290	0.290	2.57	0.13	0.83	0.04	0.87			
9/8/2022	1.79	0.00	Yes	1.79	1.79	1.71	0.08	0.017	0.006	0.049	0.08671	3.32	1.8	5.3	17.5	22.8	0.290	0.290	0.290	1.71	0.08	0.55	0.03	0.57			
9/9/2022	0.53	0.00	Yes	0.53	0.53	0.50	0.02	0.017	0.006	0.049	0.08671	2.20	0.5	3.8	16.0	19.8	0.290	0.290	0.290	0.50	0.02	0.16	0.01	0.17			
9/10/2022	0.09	0.00	Yes	0.09	0.09	0.08	0.00	0.017	0.006	0.049	0.08671	0.65	0.1	3.8	15.4	19.2	0.290	0.290	0.290	0.08	0.00	0.03	0.00	0.03			
9/11/2022	0.03	0.00	Yes	0.03	0.03	0.03	0.00	0.017	0.006	0.049	0.08671	0.11	0.0	3.5	16.6	20.1	0.290	0.290	0.290	0.03	0.00	0.01	0.00	0.01			
9/12/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.04	0.0	4.2	16.3	20.5	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/13/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	2.5	15.5	18.0	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/14/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.5	15.6	17.1	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/15/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.3	15.2	16.5	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/16/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.2	14.7	15.9	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/17/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.0	14.7	15.7	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/18/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	0.9	14.7	15.6	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/19/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.1	15.2	16.3	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/20/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.2	15.0	16.2	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/21/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.0	13.2	14.2	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/22/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	2.3	13.7	16.0	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/23/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	8.2	15.7	23.9	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/24/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	6.3	15.1	21.4	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/25/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	3.7	15.0	18.7	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/26/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	2.6	14.8	17.4	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/27/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.8	14.3	16.1	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/28/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	2.4	14.3	16.7	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/29/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	2.2	14.2	16.4	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
9/30/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.4	14.2	15.6	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00			
10/1/2022	0.00	0.00	Yes									0.00		1.3	13.3												
Red numbers indicate estimated data due to missing or incomplete SatMon data																											
Blue numbers indicate revised data based upon hydro adjustments																											
TOTAL AF						49	2																				
02CW181 CU factor for Sept = 67.8%						MAX =	1996	98	<<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=				2677																	
10CW85 LAWMA SHARES = 167						Annual Limit LAWMA=				12862																	
DIVERTED SHARES = 231						Cumulative Annual Leased=				117																	
TOTAL SHARES = 3800						Annual Limit Leased=				602																	
						33.074778	100%	33.07																			
						1.6667046	100%	1.667																			

Date	1 @ Highland River Gage	2 Canal Flume	3 WD 67 River Call?	4 Available in Priority No 67 Call	5 In Stream in Priority	6 LAWMA's 02CW181 Portion	6B LAWMA's 10CW85 Portion	7 trloss#1	8 trloss#2	9 trloss#3	10 LAWMA tlossfctr	11 crdtofst acre ft	12 Purg@hgt	13 Purg@LA	14 Ark@LA	15 Arkconf	16 factor#1	17 factor#2	18 factor#3	Limit Check			Return Flows					
																				LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	Total				
10/1/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.26	13.30	14.56	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/2/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.12	13.40	14.52	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/3/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.27	13.20	14.47	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/4/2022	0.44	0.00	Yes	0.44	0.44	0.42	0.02	0.017	0.006	0.049	0.08671	0.00	0.4	1.39	13.30	14.69	0.290	0.290	0.290	0.42	0.02	0.27	0.01	0.28				
10/5/2022	0.02	0.00	Yes	0.02	0.02	0.02	0.00	0.017	0.006	0.049	0.08671	0.28	0.0	1.25	14.40	15.65	0.290	0.290	0.290	0.02	0.00	0.01	0.00	0.01				
10/6/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.01	0.0	0.90	14.10	15.00	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/7/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.04	16.10	17.14	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/8/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.16	22.70	23.86	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/9/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.16	20.30	21.46	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/10/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.10	21.20	22.30	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/11/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.09	15.80	16.89	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/12/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.10	14.60	15.70	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/13/2022	0.07	0.00	Yes	0.07	0.07	0.07	0.00	0.017	0.006	0.049	0.08671	0.00	0.1	1.23	15.40	16.63	0.290	0.290	0.290	0.07	0.00	0.04	0.00	0.05				
10/14/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.05	0.0	1.25	15.20	16.45	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/15/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.31	14.00	15.31	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/16/2022	0.08	0.00	Yes	0.08	0.08	0.08	0.00	0.017	0.006	0.049	0.08671	0.00	0.1	1.36	15.70	17.06	0.290	0.290	0.290	0.08	0.00	0.05	0.00	0.05				
10/17/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.05	0.0	1.49	15.00	16.49	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/18/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	5.82	15.90	21.72	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/19/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	10.70	16.80	27.50	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/20/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.89	17.70	25.59	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/21/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	4.23	17.70	21.93	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/22/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.37	16.00	23.37	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/23/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	10.40	13.50	23.90	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/24/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.85	16.20	24.05	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/25/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	3.01	16.70	19.71	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/26/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	3.32	18.50	21.82	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/27/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	3.50	16.50	20.00	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/28/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.71	18.30	20.01	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/29/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.53	18.60	20.13	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/30/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.34	21.40	22.74	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
10/31/2022	0.00	0.00	Yes	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	1.23	31.60	32.83	0.290	0.290	0.290	0.00	0.00	0.00	0.00	0.00				
11/1/2022	0.00	0.00										0.00		1.24	37.30													
Red numbers indicate estimated data due to missing or incomplete SatMon data																												
Blue numbers indicate revised data based upon hydro adjustments																												
TOTAL AF						1	0																					
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=						2678																
LAWMA LEASED SHARES = 167						Annual Limit LAWMA=						12862																
DIVERTED SHARES = 231						Cumulative Annual Leased=						117																
TOTAL SHARES = 3800						Annual Limit Leased=						602																
						0.4120903	100%	0.412																				
						0	100%	0.022																				
						0.4340808																						

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits
October 2022

Date	In Stream in (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	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)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)
10/2/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
10/3/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
10/4/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
10/5/2022	0.44	0.44	0.08671	0.40	0.79	0.28	0.02	No	No	Yes	0.00	0.00	0.28	0.00	0.00	0.00
10/6/2022	0.02	0.02	0.08671	0.02	0.04	0.01	0.00	No	No	Yes	0.00	0.00	0.01	0.00	0.00	0.00
10/7/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
10/8/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
10/9/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.07	0.07	0.08671	0.07	0.13	0.05	0.00	No	No	Yes	0.00	0.00	0.05	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.08	0.08	0.08671	0.07	0.15	0.05	0.00	No	No	Yes	0.00	0.00	0.05	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
#####	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00
11/1/2022	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	0.00	0.00

RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
0	0	0.00
0	0	0.00
0	7E-05	779.00
0	0.1547	101.00
0	0.0077	40.00
0	0	22.00
0	0	16.00
0	0	79.00
0	0	123.00
0	0	32.00
0	0	14.00
0	0	8.00
0	0.0255	5.00
0	0	92.00
0	0.0003	61.00
0	0.0289	29.00
0	0	17.00
0	0	11.00
0	0	9.00
0	0	7.00
0	0	10.00
0	0	9.00
0	0	8.00
0	0	5.00
0	0	9.00
0	0	3.00
0	0	3.00
0	0	14.00
0	0	8.00
0	0	19.00
0	0	24.00

8.73

0.00 0.40 0.00

Entire Month of October		
Total In Stream Priority	1.21	
LAWMA's Instream Portion	1.21	
Arrival Amount at JMR	1.11	
Return Flow Obligation	0.78	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	0.11	
CU Arrival at JMR	0.40	
Total CU Bypassed for In-State Replacement	0.00	
Total CU Water to Permanent Pool	0.00	
Total CU Water to Offset Account	0.40	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	0.03	0.03
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)	0.03	

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 21, 2022

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, 2022 through March 31, 2023
Contact Phone Number for Mr. Hendrix: 720-934-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have reviewed your December 21, 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 December 21, 2021. No comments were received during the 35-day comment period. The \$300 filing fee has been received and given receipt no. 10017729.

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." A Motion was filed in Case No. 20CW3015 on December 3, 2021 to extend the SWSP and the Motion was also granted on December 3, 2021. **This is the sixth 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 1,942 acre-feet annually (see Table 1). The consumptive use credits available to LAWMA's Highland Canal water rights average 4,252 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, 2022 through March 31, 2023**, 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 3, 2023**.

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 2023 - 2024 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, 2022, 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 Melissa van der Poel of this office or Lonnie Spady, in our Division 2 office in La Junta at (719) 384-1000.

Sincerely,



Melissa A. van der Poel, P.E.
For 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
April Estep, CPW
Ema Schultz, CPW
Dan Steuer, 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			DATE FILED: April 16, 2020 11:48 AM
Lamar, Colorado 81052			FILING ID: C60ADC88D15F7
For Colorado	Chair and Federal Representative	For Kansas	CASE NUMBER: 2020CW3015
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

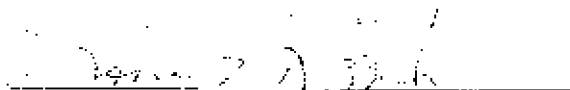
WHEREAS, pursuant to a Water Management Agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association (“LAWMA”), LAWMA will allow use of its Highland Canal water rights located in District 17 upstream of JMR and diverting from the Purgatoire River as 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.

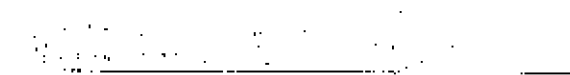
ADOPTED by the Arkansas River Compact Administration at the Special Meeting held telephonically on February 14, 2019.

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.



Jim Rizzuto, Chairman
Arkansas River Compact Administration

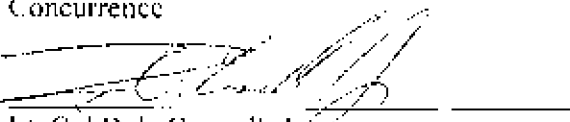
2/15/2019
Date



Stephanie Gonzales, Recording Secretary,
Arkansas River Compact Administration

2/15/2019
Date

Concurrence



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

8 MAR 19
Date

Copy 1 of 4

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

DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

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 DELIVERY
OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL
AT JOHN MARTIN RESERVOIR**

DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

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.

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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:

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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.

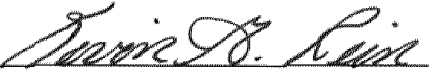
NOW THEREFORE, BE IT AGREED,

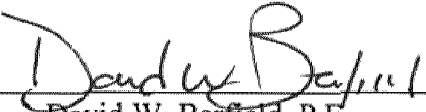
1. Issue No. 9 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions consistent with **Attachment A** in all future LAWMA Plan Approvals.
2. Issue No. 12 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions 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)

Year	Historical Data										
	Permanent Pool				JMR		02CW181	10CW85	Days in		Days
	Inflows	Evap	Spills	EOY Contents	Evap	EOY Contents	Highland Direct Flow Div.	Highland Direct Flow Div	Storage Cons.	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	5,982	294	271	0	
1981	31	2,705	0	5,561	14,958	13,713	7,496	368	201	0	
1982	126	2,313	0	3,374	11,516	12,241	6,217	305	195	0	
1983	11,527	1,524	0	13,377	26,457	67,444	7,823	362	286	0	
1984	2,201	2,367	0	13,210	32,303	204,908	8,130	399	283	0	
1985	46	1,664	2,432	9,160	49,891	280,952	9,330	458	310	7	
1986	198	1,540	0	7,818	44,881	226,308	7,542	370	206	0	
1987	2,588	1,028	0	9,377	55,787	246,368	10,889	535	365	94	
1988	0	1,740	205	7,433	40,127	78,984	8,686	426	189	0	
1989	0	1,980	0	5,453	20,733	27,407	2,625	129	172	0	
1990	1,198	1,842	0	4,808	15,457	17,589	4,102	201	174	0	
1991	79	2,119	0	2,768	12,654	8,387	4,001	196	168	0	
1992	0	1,017	0	1,751	13,327	13,285	6,903	339	172	0	
1993	8,031	1,319	0	8,462	17,895	41,275	6,510	319	178	0	
1994	7,747	3,018	0	13,191	25,358	65,255	7,168	352	188	0	
1995	131	2,013	1,840	9,469	40,842	257,884	7,580	372	336	36	
1996	884	1,633	0	8,721	45,491	230,535	6,536	321	231	0	
1997	258	1,416	0	7,562	48,626	296,088	9,187	451	280	0	
1998	2,796	1,318	0	9,040	54,700	242,531	8,799	440	310	134	
1999	834	948	0	8,925	54,721	326,210	614	30	363	84	
2000	-48	1,663	0	7,215	50,873	110,993	5,685	279	211	43	
2001	200	1,644	0	5,770	29,802	49,461	4,387	215	179	0	
2002	0	2,082	0	3,688	20,345	21,396	3,098	152	162	0	
2003	0	1,594	0	2,093	15,962	19,250	4,226	208	163	0	
2004	1,040	1,261	0	1,873	9,600	16,632	5,874	288	165	0	
2005	498	1,074	4	1,293	14,544	8,464	9,398	461	183	0	
2006	0	724	0	569	10,262	5,701	4,878	231	167	0	
2007	7,683	993	0	7,983	16,909	23,888	11,448	562	186	0	
2008	3,876	3,777	0	8,082	17,387	35,418	7,701	378	175	0	
2009	2,956	2,664	0	8,374	16,168	25,614	6,775	333	173	0	
2010	4,608	3,256	0	9,002	18,239	26,584	7,565	371	181	0	
2011	764	4,731	0	5,035	15,349	9,449	2,404	118	167	0	
2012	3,641	3,824	0	4,851	15,325	15,995	2,401	118	164	0	
2013	474	2,478	0	2,847	14,341	19,014	5,375	264	167	0	
2014	197	1,544	0	1,515	15,353	6,193	6,381	313	169	0	
2015	7,984	1,387	0	8,112	37,611	206,237	9,134	448	306	0	
2016	1,785	2,081	0	7,804	42,829	93,804	5,506	270	172	0	
2017	1,437	1,607	0	7,634	41,724	243,923	12,257	602	263	0	
2018	1,877	1,673	0	7,842	46,784	132,946	5,066	249	184	0	
2019	1,336	1,959	0	7,219	35,205	70,003	5,751	286	176	0	
2020	394	2,333	0	5,280	25,492	33,904	1,970	97	169	0	
Average	2,190	1,942	119	6,629	28,205	94,332	6,424	315	214	10	
Maximum	11,527	4,731	2,432	13,377	55,787	326,210	12,257	602	365	134	
Minimum	-48	724	0	569	9,600	5,701	614	30	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 31 contents 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
LAWMA's HIGHLAND WATER RIGHTS TO REPLACE EVAPORATION
(values in ac-ft)

Year	Operational Scenario						Permanent Pool			
	Total Highland CU Water	CPW Center Farm CU Delivered	CPW Structures Augmented	Water Management Fee (15%)	Maximum available to CPW	Evap Loss	Spill	Highland CU Credit Inflow	EOY Contents	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1980	3,753	3,512	241	527	2,744	1,822	0	1,362	14,286	
1981	4,823	4,550	273	682	3,594	2,535	0	3,594	12,671	
1982	4,609	4,348	261	652	3,434	3,667	0	3,426	10,243	
1983	5,980	5,595	385	839	4,370	1,897	0	2,402	15,000	
1984	4,207	3,928	280	589	3,059	1,299	0	0	15,000	
1985	4,811	4,510	301	677	3,533	903	0	664	14,995	
1986	4,745	4,492	254	674	3,564	1,164	0	2,451	14,940	
1987	5,733	5,362	371	804	4,187	1,201	0	759	15,000	
1988	4,316	4,037	279	606	3,152	1,434	0	2,252	14,932	
1989	1,140	1,056	84	158	814	2,144	0	803	11,611	
1990	2,725	2,573	152	386	2,036	2,276	0	2,036	10,727	
1991	2,655	2,493	162	374	1,957	3,121	0	1,950	7,515	
1992	4,400	4,162	238	624	3,300	2,461	0	3,300	7,337	
1993	5,248	4,983	265	747	3,970	1,816	0	3,052	15,000	
1994	5,233	4,958	276	744	3,938	1,811	0	1,222	15,000	
1995	3,625	3,361	263	504	2,594	1,129	0	415	14,988	
1996	4,440	4,218	222	633	3,364	1,094	0	1,804	14,949	
1997	4,492	4,186	305	628	3,253	1,184	0	2,363	14,969	
1998	6,378	6,074	304	911	4,858	1,239	0	26	15,000	
1999	458	434	23	65	346	946	0	346	14,518	
2000	3,478	3,305	173	496	2,637	1,426	0	2,637	14,018	
2001	2,951	2,806	145	421	2,240	1,799	0	2,225	13,000	
2002	1,995	1,894	100	284	1,510	2,801	0	1,502	9,618	
2003	3,769	3,579	190	537	2,852	3,535	0	2,852	7,341	
2004	4,102	3,902	200	585	3,117	3,719	0	3,117	6,518	
2005	9,985	9,505	480	1,426	7,599	5,237	0	7,599	8,300	
2006	3,094	2,942	152	441	2,349	4,609	0	2,333	5,300	
2007	11,369	10,823	545	1,623	8,654	2,963	0	8,654	15,000	
2008	5,374	5,109	265	766	4,078	3,654	0	123	14,972	
2009	5,483	5,214	268	782	4,164	2,057	0	1,765	14,972	
2010	8,242	7,848	394	1,177	6,277	2,342	0	1,626	14,884	
2011	1,609	1,524	85	229	1,210	3,349	0	1,205	8,773	
2012	1,271	1,204	67	181	957	2,109	0	957	7,438	
2013	3,640	3,458	182	519	2,757	1,728	0	2,757	6,464	
2014	4,160	3,950	210	592	3,147	2,791	0	3,142	5,483	
2015	4,473	4,073	401	611	3,061	1,269	0	3,052	13,863	
2016	3,708	3,529	179	529	2,821	1,486	0	2,175	14,243	
2017	11,204	10,608	596	1,591	8,420	1,567	0	2,529	15,000	
2018	3,379	3,215	164	482	2,569	1,531	0	1,124	14,837	
2019	6,395	6,089	305	913	4,870	1,871	0	1,650	13,992	
2020	988	920	68	138	714	2,259	0	714	10,508	
Average	4,499	4,252	247	638	3,368	2,177	0	2,145	12,273	
Maximum	11,369	10,823	596	1,623	8,654	5,237	0	8,654	15,000	
Minimum	458	434	23	65	346	903	0	0	5,300	

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 3 x 15%.
- 6) Maximum consumptive use water available to Colorado Parks and Wildlife. Calculated as the minimum of Column 2 and Column 3 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 are the results of the daily comparison of Highland Canal consumptive use credits and the consumptive use credits available at the Center Farm augmentation station 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 purchases or water stored from the Muddy Creek 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

CONCERNING THE APPLICATION FOR WATER
RIGHTS OF LOWER ARKANSAS WATER
MANAGEMENT ASSOCIATION

IN BENT AND PROWERS COUNTIES

Richard J. Mehren, #32231
Jennifer M. DiLalla, #40319
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DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

▲ COURT USE ONLY ▲

Case Number: 2020CW_____

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:

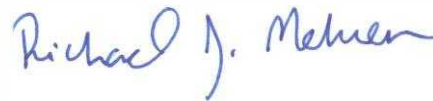
5.1 U.S. Army Corps of Engineers, Reservoir Manager, 29955 County Road 25.75,
Hasty, CO 81044

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.

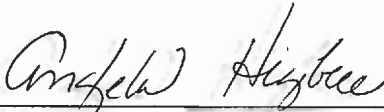


Donald F. Higbee

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

My Commission Expires: December 20, 2023

The person signing this verification is the Manager of Lower Arkansas Water Management Association.



November 30, 2022

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 – Catlin Canal 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 Catlin Augmentation Association (CAA) shares of the Catlin Canal Company. This letter also serves to describe the operations in 2022, first described in the letter of May 4, 2022, which provided the initial notice of the delivery of water from this replacement source for 2022.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Catlin Canal for 2022 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary’s Report.

Ivan Walter, CAA’s engineer, provided the Historical Consumptive Use analysis that quantified the historical use of the associated Catlin 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 shares changed in 12CW0094 and pending changes in 21CW3072 (application amended August 19, 2022) and in an approved Substitute Water Supply Plan (SWSP) (Enclosure).

The overall operation of the CAA Catlin Canal shares involved deliveries through two augmentation stations at Timpas Creek and Crooked Arroyo capable of delivering water to the Arkansas River above the John Martin dam. Four recharge ponds are included in the approved SWSP as a means to maintain delayed return flows associated with the Catlin shares and to reduce winter time deliveries for return flow maintenance.

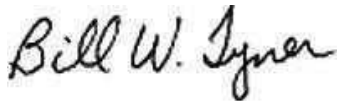


Month	CU Amount to Offset Account	CU Amount to Multi-Purpose Account
	(AF)	(AF)
Mar-22	0.00	--
Apr-22	0.00	--
May-22	0.00	--
Jun-22	0.00	--
Jul-22	0.00	0.00
Aug-22	56.79	0.00
Sep-22	0.00	0.00
Oct-22	0.00	0.00
Nov-22	0.00	0.00

Of note for 2022, there were no credits delivered in any month other than August 2022.

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

Sincerely,



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

Enclosures (2)

cc: Kevin Salter Rachel Duran Dale Book Ivan Walter Rachel Zancanella
Dan Tucker Dan Steuer Bethany Arnold Phil Reynolds Lonnie Spady
Kent Ricken Lori Marchando

Enclosure 1

CAA John Martin Delivery Accounting for 2022

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
May 2022**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN					
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)				
5/1/2022	0.00	0.00	4.10	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/2/2022	0.00	0.00	4.09	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/3/2022	0.00	0.00	2.63	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/4/2022	0.00	0.00	0.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/5/2022	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
5/6/2022	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
5/7/2022	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
5/8/2022	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
5/9/2022	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
5/10/2022	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
5/11/2022	0.00	0.00	2.01	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/12/2022	0.00	1.14	4.08	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/13/2022	0.00	4.21	4.02	-1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/14/2022	0.00	4.21	3.95	-1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/15/2022	0.00	4.21	3.95	-1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/16/2022	0.00	4.58	4.03	-1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/17/2022	0.00	3.00	3.96	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/18/2022	0.00	3.00	3.87	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/19/2022	0.00	3.00	3.87	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/20/2022	0.00	3.00	3.59	-0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/21/2022	0.00	3.00	3.93	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/22/2022	0.00	3.00	4.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/23/2022	0.00	3.00	3.93	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/24/2022	0.00	3.00	3.89	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/25/2022	0.00	3.00	3.78	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/26/2022	0.00	3.00	4.29	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/27/2022	0.00	3.00	4.37	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/28/2022	0.00	1.25	4.27	2.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/29/2022	0.00	1.25	4.30	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/30/2022	0.00	1.25	4.12	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/31/2022	0.00	1.25	3.96	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
June 2022**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN					
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)				
6/1/2022	0.00	1.25	3.89	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/2/2022	0.00	1.25	4.11	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/3/2022	0.00	2.00	4.28	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/4/2022	0.00	2.00	4.29	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/5/2022	0.00	2.00	4.09	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/6/2022	0.00	2.00	4.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/7/2022	0.00	2.00	4.10	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/8/2022	0.00	2.00	3.97	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/9/2022	0.00	2.00	4.32	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/10/2022	0.00	2.00	4.55	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/11/2022	0.00	2.00	4.55	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/12/2022	0.00	2.00	4.57	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/13/2022	0.00	2.00	3.74	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/14/2022	0.00	2.00	4.06	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/15/2022	0.00	2.00	5.17	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/16/2022	0.00	2.00	3.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/17/2022	0.00	2.00	2.74	-0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/18/2022	0.00	2.00	2.63	-0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/19/2022	0.00	2.00	3.77	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/20/2022	0.00	2.00	3.77	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/21/2022	0.00	2.00	4.01	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/22/2022	0.00	2.00	4.18	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/23/2022	0.00	2.00	4.27	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/24/2022	0.00	2.00	4.47	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/25/2022	0.00	2.00	4.65	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/26/2022	0.00	2.00	4.66	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/27/2022	0.00	2.00	4.71	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/28/2022	0.00	2.00	4.62	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/29/2022	0.00	2.00	4.32	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/30/2022	0.00	2.00	4.26	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
July 2022**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)	Total to Multi- Purpose Account (af)	Total to CAA Multi-Purpose Account (Account 82) (af)	Total to Kansas Charge Account (Account 77) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN								
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)							
7/1/2022	0.00	2.00	5.42	2.24	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
7/2/2022	0.00	2.00	5.03	1.85	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
7/3/2022	0.00	2.00	5.04	1.86	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
7/4/2022	0.00	2.00	5.04	1.86	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
7/5/2022	0.00	2.00	5.79	2.60	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
7/6/2022	0.00	2.00	5.08	1.90	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
7/7/2022	0.00	2.00	5.32	2.14	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
7/8/2022	0.00	2.00	5.41	2.22	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
7/9/2022	0.00	2.00	5.10	1.92	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
7/10/2022	0.00	2.00	5.06	1.88	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
7/11/2022	0.00	2.00	5.63	2.44	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
7/12/2022	0.00	2.00	6.53	3.33	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
7/13/2022	0.00	2.00	6.32	3.12	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
7/14/2022	0.00	0.00	4.37	3.20	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
7/15/2022	0.00	0.00	4.99	3.82	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
7/16/2022	0.00	0.00	6.06	4.87	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
7/17/2022	0.00	0.00	7.58	6.36	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
7/18/2022	0.00	0.00	7.65	6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
7/19/2022	0.00	0.00	7.13	5.92	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
7/20/2022	0.00	0.00	7.04	5.83	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
7/21/2022	0.00	0.00	7.05	5.84	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
7/22/2022	0.00	0.00	7.10	5.90	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
7/23/2022	0.00	0.00	6.99	5.79	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
7/24/2022	0.00	0.00	6.75	5.55	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
7/25/2022	0.00	0.00	7.78	6.57	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
7/26/2022	0.00	0.00	7.64	6.42	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
7/27/2022	0.00	0.00	7.37	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2022	0.00	0.00	6.34	5.14	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
7/29/2022	0.00	0.00	5.90	4.71	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
7/30/2022	0.00	0.00	5.92	4.73	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
7/31/2022	0.00	0.00	5.68	4.49	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

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
August 2022**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)	Total to Multi- Purpose Account (af)	Total to CAA Multi-Purpose Account (Account 82) (af)	Total to Kansas Charge Account (Account 77) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN								
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)							
8/1/2022	0.00	0.00	4.18	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
8/2/2022	0.00	0.00	4.53	3.24	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
8/3/2022	0.00	0.00	5.58	4.27	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
8/4/2022	0.00	0.00	5.39	4.08	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
8/5/2022	0.00	0.00	5.94	4.63	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
8/6/2022	0.00	0.00	5.31	4.01	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
8/7/2022	0.00	0.00	5.03	3.73	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
8/8/2022	0.00	0.00	5.16	3.86	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
8/9/2022	0.00	0.00	4.91	3.61	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
8/10/2022	0.00	0.00	5.40	4.09	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
8/11/2022	0.00	0.00	5.28	3.98	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
8/12/2022	0.00	0.00	5.07	3.76	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
8/13/2022	0.00	0.00	5.04	3.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
8/14/2022	0.00	0.00	5.29	3.99	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
8/15/2022	0.00	0.00	5.09	3.79	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
8/16/2022	0.00	0.00	5.45	4.14	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
8/17/2022	0.00	0.00	6.57	5.24	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
8/18/2022	0.00	0.00	6.69	5.36	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
8/19/2022	0.00	0.00	6.61	1.24	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00	0.00
8/20/2022	0.00	0.00	6.13	0.77	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00	0.00
8/21/2022	0.00	0.00	6.10	0.73	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/22/2022	0.00	0.00	6.28	0.91	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/23/2022	0.00	0.00	6.50	1.13	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/24/2022	0.00	0.00	6.39	1.02	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/25/2022	0.00	0.00	5.43	0.07	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/26/2022	0.00	0.00	2.68	-2.64	4.05	4.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	7.10	6.74	0.35	0.00	0.00	0.00
8/27/2022	0.00	0.00	1.46	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	7.10	6.74	0.35	0.00	0.00	0.00
8/28/2022	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%	7.10	6.74	0.35	0.00	0.00	0.00
8/29/2022	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
8/30/2022	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
8/31/2022	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
October 2022**

Date	CAA						CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To CAA Downstream Consumable Account (Account 53) (af)	Total to Multi-Purpose Account (af)	Total to CAA Multi-Purpose Account (Account 82) (af)	Total to Kansas Charge Account (Account 77) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN								
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)							
10/1/2022	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
10/2/2022	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
10/3/2022	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
10/4/2022	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
10/5/2022	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
10/6/2022	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
10/7/2022	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
10/8/2022	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
10/9/2022	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
10/10/2022	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
10/11/2022	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
10/12/2022	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
10/13/2022	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
10/14/2022	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
10/15/2022	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
10/16/2022	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
10/17/2022	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
10/18/2022	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
10/19/2022	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
10/20/2022	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
10/21/2022	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
10/22/2022	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
10/23/2022	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
10/24/2022	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
10/25/2022	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
10/26/2022	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
10/27/2022	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
10/28/2022	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
10/29/2022	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
10/30/2022	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
10/31/2022	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

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
November 2022**

Date	CAA						CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To CAA Downstream Consumable Account (Account 53) (af)	Total to Multi-Purpose Account	Total to CAA Multi-Purpose Account	Total to Kansas Charge Account	
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN									
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)								
11/1/2022	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	
11/2/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/3/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/4/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/5/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/6/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/7/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/8/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/9/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/11/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/12/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/13/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/14/2022	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	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/15/2022	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
11/16/2022	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
11/17/2022	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
11/18/2022	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
11/19/2022	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
11/20/2022	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
11/21/2022	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
11/22/2022	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
11/23/2022	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
11/24/2022	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
11/25/2022	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
11/26/2022	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
11/27/2022	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
11/28/2022	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
11/29/2022	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
11/30/2022	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

Enclosure 2

CAA SWSP Approval



May 5, 2022

Ivan A. Walter, P.E.
Ivan's Engineering
6030 S. Cherrywood Circle
Centennial, CO 80121

**RE: Catlin Augmentation Association Substitute Water Supply Plan
Otero, Bent and Pueblo Counties
Water Division 2, Water Districts 14, 17 and 67
SWSP ID 9334, WDID 1707030
Case No. 21CW3072**

Approval Period: May 5, 2022 through April 30, 2023

Contact information for Mr. Walter: 303-798-5967; walterivana@iengrng.com

Dear Mr. Walter:

We have received your letter dated December 6, 2021 requesting a substitute water supply plan (SWSP) pursuant to §37-92-308(4), C.R.S., on behalf of the Catlin Augmentation Association (“CAA” or “Applicant”). Notice was sent to all subscribers to the Division 2 SWSP Notification list on December 6, 2021. Timely comments were received from April Hendricks, representing Southeastern Colorado Water Conservancy District (“Southeastern”). These comments were taken into consideration during the drafting of this approval letter. The statutory \$300 filing fee has been received and given receipt no. 10017304.

SWSP OPERATION

The Catlin Augmentation Association, Inc., (“CAA”) is a group of Catlin Canal Company shareholders whose Catlin Canal water rights were historically used for irrigation in Otero County. The originally decreed uses were changed in Case No. 12CW94 to add various uses including augmentation and replacement uses. The application in Case No. 21CW3072 was submitted to the Court in order to gain approval of additional changes of water rights to allow CAA to utilize recharge facilities, store in additional storage facilities, and to use the changed rights by exchange.

This SWSP request includes only a portion of the claims made in the court application. CAA is requesting approval of temporary changes for the Catlin Canal shares changed in Case No. 12CW94, called the “Catlin A” shares, to enable these shares as well as leased water to be stored via exchanges to Pueblo Reservoir or directly to John Martin Reservoir, to enable these waters to be delivered to recharge facilities under the Catlin Canal, and for delivery to the Excelsior Ditch to recharge and to AGRA’s Rocky Ford Highline (“AGRA’s RFHL”) facilities for recharge.



DEPLETIONS

Existing wells belonging to CAA members and new irrigation wells which are not yet constructed (red WDIDs in the table below) will be under this SWSP approval period. Wells to be augmented during the SWSP plan year include:

Catlin Augmentation Association Plan for Augmentation - Well Locations				
CAA ID	WDID	PLSS	UTM X	UTM Y
301	1705344	SE/4, SW4, Sec. 32, T.23S., R.55W., 6 th P.M.	624025	4206468
303	1705449	SW/4, NW4, Sec. 32, T.23S., R.55W., 6 th P.M.	622830	4206816
305	1705493	NW/4, NW4, Sec. 36, T.23S., R.56W., 6 th P.M.	619621	4207515
901	1705809	NW/4, NE4, Sec. 4, T.24S., R.56W., 6 th P.M.	615422	4206026
1001	1705323	NW/4, NW4, Sec. 12, T.23S., R.57W., 6 th P.M.	610045	4214073
1301	1705281	NW/4, SE4, Sec. 3, T.23S., R.57W., 6 th P.M.	607061	4215200
1403	1705285	SW/4, NE4, Sec. 2, T.23S., R.57W., 6 th P.M.	609012	4214683
1405	1705290	NW/4, SW4, Sec. 12, T.23S., R.57W., 6 th P.M.	609921	4213726
1407	1705291	NW/4, SE4, Sec. 12, T.23S., R.57W., 6 th P.M.	610427	4213695
1409	1705292	NW/4, SW4, Sec. 11, T.23S., R.57W., 6 th P.M.	609339	4213478
2001	1705589	NE/4, SW4, Sec. 18, T.24S., R.56W., 6 th P.M.	612400	4202570
2003	1705596	SE/4, SE4, Sec. 7, T.24S., R.56W., 6 th P.M.	612919	4203035
2601	1705228	NE/4, NW4, Sec. 11, T.23S., R.57W., 6 th P.M.	601238	4218659
2603	1705233	SW/4, SW4, Sec. 23, T.22S., R.58W., 6 th P.M.	598645	4219166
2605	1705234	SW/4, SW4, Sec. 23, T.22S., R.58W., 6 th P.M.	598612	4219213
2607	1705235	NW/4, SE4, Sec. 23, T.22S., R.58W., 6 th P.M.	599006	4219785
2609	1705236	SE/4, NE4, Sec. 23, T.22S., R.58W., 6 th P.M.	599928	4219535
2611	1705239	NE/4, SW4, Sec. 23, T.22S., R.58W., 6 th P.M.	599705	4220022
NA	1705238	SE, NW4, Sec. 23, T.22S., R.58W., 6 th P.M.	599409	4219457
2701	1705297	NE/4, NW4, Sec. 25, T.23S., R.56W., 6 th P.M.	620721	4209095
3301	1705544	NW/4, NW4, Sec. 13, T.23S., R.57W., 6 th P.M.	609980	4212659

1705239	13.47	21.45	25.23	32.40	22.26	12.53	9.02	0.99	0.00	0.00	0.00	12.66	150.00
1705281	17.96	28.60	33.64	43.20	29.68	16.70	12.02	1.32	0.00	0.00	0.00	16.88	200.00
1705285	7.63	12.16	14.30	18.36	12.61	7.10	5.11	0.56	0.00	0.00	0.00	7.17	85.00
1705290	4.49	7.15	8.41	10.80	7.42	4.18	3.01	0.33	0.00	0.00	0.00	4.22	50.00
1705291	4.49	7.15	8.41	10.80	7.42	4.18	3.01	0.33	0.00	0.00	0.00	4.22	50.00
1705292	5.84	9.30	10.93	14.04	9.65	5.43	3.91	0.43	0.00	0.00	0.00	5.49	65.00
1705297	5.84	9.30	10.93	14.04	9.65	5.43	3.91	0.43	0.00	0.00	0.00	5.49	65.00
1705323	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
1705344	2.25	3.58	4.21	5.40	3.71	2.09	1.50	0.17	0.00	0.00	0.00	2.11	25.00
1705449	2.25	3.58	4.21	5.40	3.71	2.09	1.50	0.17	0.00	0.00	0.00	2.11	25.00
1705493	8.98	14.30	16.82	21.60	14.84	8.35	6.01	0.66	0.00	0.00	0.00	8.44	100.00
1705544	5.48	8.72	10.26	13.18	9.05	5.09	3.67	0.40	0.00	0.00	0.00	5.15	61.00
1705589	2.69	4.29	5.05	6.48	4.45	2.51	1.80	0.20	0.00	0.00	0.00	2.53	30.00
1705596	2.78	4.43	5.21	6.70	4.60	2.59	1.86	0.20	0.00	0.00	0.00	2.62	31.00
1705809	8.98	14.30	16.82	21.60	14.84	8.35	6.01	0.66	0.00	0.00	0.00	8.44	100.00
Plan Total	152.39	242.67	285.44	366.55	251.83	141.70	101.99	11.20	0.00	0.00	0.00	143.23	1697.00

Total pumping for the SWSP approval period is estimated to be **1,697.0 acre-feet** as presented in Table 6 below:

CAA Post85 Accounting													
Actual and Projected Pumping by Farm													
(acre-feet)													
Farm	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Farm 300	73.19	116.55	137.08	176.04	120.95	68.05	48.98	5.38	0.00	0.00	0.00	68.79	815.00
Farm 900	17.51	27.89	32.80	42.12	28.94	16.28	11.72	1.29	0.00	0.00	0.00	16.46	195.00
Farm 1000	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
Farm 1300	17.96	28.60	33.64	43.20	29.68	16.70	12.02	1.32	0.00	0.00	0.00	16.88	200.00
Farm 1400	22.45	35.75	42.05	54.00	37.10	20.88	15.03	1.65	0.00	0.00	0.00	21.10	250.00

Farm 2000	10.96	17.45	20.52	26.35	18.10	10.19	7.33	0.81	0.00	0.00	0.00	10.30	122.00
Farm 2500	4.49	7.15	8.41	10.80	7.42	4.18	3.01	0.33	0.00	0.00	0.00	4.22	50.00
Farm 2700	5.84	9.30	10.93	14.04	9.65	5.43	3.91	0.43	0.00	0.00	0.00	5.49	65.00
Plan Total	152.39	242.67	285.44	366.55	251.83	141.70	101.99	11.20	0.00	0.00	0.00	143.23	1697.00

Wellhead depletions were determined in accordance with the Colorado-Kansas decree Appendix A for Post-85 depletions, using the method described in LAWMA’s decree 02CW181. The presumptive depletion factors (“PDFs”) used in that case were:

- Flood Irrigation, with Supplemental Wells: not defined
- Flood Irrigation, well only: 68%
- Sprinkler Irrigation: 85%
- Sprinkler Irrigation (LEPA System): 95%
- Drip Irrigation: 100%

Wells that are used in a combination system (part sprinkler, part drip or part sprinkler, part flood) were calculated on a weighted average determined by the number of acres irrigated with each system.

Lagged depletions were calculated using unit response functions (“URFs”) which are given in the attached Table J-1. Unlagged well depletions for the SWSP approval period are estimated at 1,448.5 acre-feet (as seen in Table 9) and lagged depletions total **884.1** acre-feet.

Table 9													
CAA Post85 Accounting													
Actual and Projected Impact from Pumping Post-85 Wells (Unlagged)													
(acre-feet)													
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
2022	-15.05	-45.28	-75.22	-106.63	-123.56	-116.84	-103.33	-84.76	-65.50	-52.60	-43.79	-51.56	-884.13
2023	-52.63	-41.20	-34.86	-30.05	-26.31	-22.98	-20.57	-18.69	-17.23	-16.08	-15.13	-14.20	-309.92
2024	-13.38	-12.42	-11.55	-10.82	-10.13	-9.53	-8.98	-8.48	-8.07	-7.67	-7.30	-7.02	-115.34
2025	-6.72	-6.49	-6.24	-6.04	-5.85	-5.60	-5.37	-5.14	-4.89	-4.68	-4.51	-4.35	-65.89
2026	-4.22	-4.07	-3.90	-3.72	-3.50	-3.34	-3.22	-3.11	-3.03	-2.94	-2.86	-2.79	-40.70
2027	-2.68	-2.61	-2.53	-2.43	-2.34	-2.21	-2.07	-1.94	-1.80	-1.69	-1.60	-1.50	-25.41
2028	-1.42	-1.31	-1.23	-1.15	-1.04	-0.98	-0.94	-0.89	-0.84	-0.77	-0.71	-0.66	-11.95

2029	-0.62	-0.59	-0.58	-0.53	-0.45	-0.37	-0.25	-0.17	-0.13	-0.10	-0.10	-0.10	-3.97
2030	-0.09	-0.09	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.04	-0.04	-0.66
2031	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.03	-0.03	-0.47
2032	-0.02	-0.01	-0.01	-0.01	-0.00	-0.00	-0.00	-0.00	-0.00				-0.07
Plan Total	-96.87	-114.13	-136.20	-161.47	-173.28	-161.95	-144.81	-123.27	-101.57	-86.62	-76.07	-82.26	-1,458.50

Return flow obligations (“RFO”) (historical lagged depletions) still owing from previous pumping under Case No. 12CW94 account for a total of **483.1** acre-feet as indicated in Table 1A below.

Other depletions include transit losses from exchange, estimated for a total of **17.1** acre-feet, and surface runoff which accounts for **228.8** acre-feet. The total estimated depletions to the river for the SWSP approval period are equal to **1,458.5** acre-feet.

Catlin Augmentation Association - River Accounting																
Table 1A - Plan Year - Total Summary Report																
Plan Year 2022																
(acre-feet)																
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	
Dpln																
	12CW94 RFO Plan Year	2022	-18.0	-25.1	-34.2	-40.8	-43.4	-41.9	-40.6	-37.5	-30.0	-24.1	-19.9	-15.1	-370.6	
	12CW94 RFO Previous Years	Pre-2022	-9.5	-8.7	-8.0	-7.4	-7.0	-6.6	-6.2	-5.8	-5.5	-5.2	-4.9	-4.2	-79.1	
	12CW94 Surface Runoff	2022	-33.4	-28.8	-38.9	-38.3	-33.4	-24.0	-26.3	-17.6	0.0	0.0	0.0	-4.0	-244.6	
	12CW94 Transit Loss	2022	-1.6	-2.0	-2.8	-2.6	-2.2	-1.4	-1.1	-0.8	0.0	0.0	0.0	-0.3	-14.8	
	POST85 Wells	2022	-15.0	-45.3	-75.2	-106.6	-123.6	-116.8	-103.3	-84.8	-65.5	-52.6	-43.8	-51.6	-884.1	
	River Transit Loss	2022	-0.3	-0.3	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	
	Total		-77.8	-110.1	-159.4	-196.0	-209.7	-190.7	-177.5	-146.5	-101.0	-81.9	-68.6	-75.2	-1594.5	
Acc																
	12CW94 Aug Stn Del	2022	129.1	157.4	220.8	210.3	176.3	113.9	91.0	63.0	0.0	0.0	0.0	23.4	1185.2	
	FryArk Return Flows	2022	0.0	0.0	1.4	6.6	14.7	14.3	10.2	7.5	5.8	4.7	3.9	3.3	72.5	
	Recharge - Catlin Ponds	2022	0.3	1.6	3.9	7.3	11.5	16.1	20.1	23.1	25.0	25.4	24.9	24.0	183.3	

	Total		129.4	159.0	226.1	224.2	202.5	144.3	121.3	93.6	30.8	30.1	28.8	50.7	1440.9
Total Net Impact															
	Net Impact to Reach 11		51.5	48.9	66.7	28.2	-7.1	-46.4	-56.2	-52.9	-70.2	-51.7	-39.8	-24.5	-153.6
	Total		51.5	48.9	66.7	28.2	-7.1	-46.4	-56.2	-52.9	-70.2	-51.7	-39.8	-24.5	-153.6

Catlin Augmentation Association - River Accounting

Table 1A - Plan Year - Total Summary Report

Plan Year 2022

(acre-feet)

			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Dpln															
	12CW94 RFO Plan Year	2022	-18.0	-25.1	-34.2	-40.8	-43.4	-41.9	-40.6	-37.5	-30.0	-24.1	-19.9	-15.1	-370.6
	12CW94 RFO Previous Years	Pre-2022	-9.5	-8.7	-8.0	-7.4	-7.0	-6.6	-6.2	-5.8	-5.5	-5.2	-4.9	-4.2	-79.1
	12CW94 Surface Runoff	2022	-33.4	-28.8	-38.9	-38.3	-33.4	-24.0	-26.3	-17.6	0.0	0.0	0.0	-4.0	-244.6
	12CW94 Transit Loss	2022	-1.6	-2.0	-2.8	-2.6	-2.2	-1.4	-1.1	-0.8	0.0	0.0	0.0	-0.3	-14.8
	POST85 Wells	2022	-15.0	-45.3	-75.2	-106.6	-123.6	-116.8	-103.3	-84.8	-65.5	-52.6	-43.8	-51.6	-884.1
	River Transit Loss	2022	-0.3	-0.3	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3
	Total		-77.8	-110.1	-159.4	-196.0	-209.7	-190.7	-177.5	-146.5	-101.0	-81.9	-68.6	-75.2	-1594.5
Acc															
	12CW94 Aug Stn Del	2022	129.1	157.4	220.8	210.3	176.3	113.9	91.0	63.0	0.0	0.0	0.0	23.4	1185.2
	FryArk Return Flows	2022	0.0	0.0	1.4	6.6	14.7	14.3	10.2	7.5	5.8	4.7	3.9	3.3	72.5
	Recharge - Catlin Ponds	2022	0.3	1.6	3.9	7.3	11.5	16.1	20.1	23.1	25.0	25.4	24.9	24.0	183.3
	Total		129.4	159.0	226.1	224.2	202.5	144.3	121.3	93.6	30.8	30.1	28.8	50.7	1440.9
Total Net Impact															
	Net Impact to Reach 11		51.5	48.9	66.7	28.2	-7.1	-46.4	-56.2	-52.9	-70.2	-51.7	-39.8	-24.5	-153.6
	Total		51.5	48.9	66.7	28.2	-7.1	-46.4	-56.2	-52.9	-70.2	-51.7	-39.8	-24.5	-153.6

REPLACEMENTS

The proposed sources of replacement water for this approval period include:

1. **1,132.42 Catlin A shares:** these shares were evaluated on the basis of a “dry year” yield, estimated to be 2.043 acre-feet per share.

These shares will be split into the different types of deliveries as follows:

Total delivery of CAA shares:	2,313 ac-ft
a. Total Delivery to Augmentation Station Headgate:	1,260 ac-ft
b. Total Delivery to Recharge Ponds:	971 ac-ft
c. Groundwater Return Flow Replacement:	483 ac-ft
d. Surface Runoff Return Flow Replacement:	229 ac-ft
e. A&R Credit thru the Aug. Station	704 ac-ft
f. Aug. Station to Arkansas River Transit Loss:	16 ac-ft
g. Augmentation & Replacement Credit to the River	627 ac-ft

2. **Fryingpan-Arkansas Project return flows:** this water is proposed to be purchased in 2022, subject to permission from Southeastern and Conditions of Approval Nos. 11, 12 and 13. The estimated allocation is approximately 40 acre-feet.
3. **377 acre-feet of water** stored in Pueblo Reservoir in member accounts.
4. **434 acre-feet of water** in storage in Lake Meredith from member accounts.
5. **639 acre-feet of recharged Catlin Augmentation shares** from the following recharge sites: Knapp, Schweitzer, Hanagan and Diamond A Farms 175. URFs developed for the Lower Arkansas Valley Water Conservation District Pilot Project and the Interruptible Water Supply Agreement programs for the Schweitzer, Hanagan and DAF 175 recharge ponds were used to calculate the recharge accretions for those ponds. The Knapp and AGRA’s RFHL recharge ponds operated under the Rule 14 plan for the Colorado Water Protective and Development Association (“CWPDA”).

Administration of the recharge ponds will be as follows:

- a. Water will be diverted, measured, and delivered to the canal lateral.
- b. Net recharge will be calculated as the change in storage plus measured inflow minus net evaporation minus outflow.
- c. Inflow to the ponds and canals will be measured and recorded daily; there is to be no outflow from the ponds.
- d. Evaporation will only be charged when there is visible water.
- e. Net evaporation will be calculated as the surface area of the water surface times the daily net evaporation rate. The net evaporation rate will either be based on the pan evaporation rate for John Martin Reservoir (Schweitzer, Hanagan and DAF 175) or AGUA’s 04CW62 decree (Excelsior Ponds).

f. Other structures will use the following table:

Net Evaporation Rate Per Acre - CAA Recharge Structures							
Units	Jan	Feb	Mar	Apr	May	June	
Ac-ft	1.43	2.09	3.21	4.58	5.55	7.11	
Ac-ft / Day	0.0038	0.0056	0.0086	0.0123	0.0149	0.0191	
Units	Jul	Aug	Sep	Oct	Nov	Dec	Total
Ac-ft	6.27	5.66	4.34	3.04	1.81	1.40	46.49
Ac-ft / Day	0.0169	0.0152	0.0117	0.0082	0.0049	0.0038	

METHOD OF OPERATION

These temporary changes of water rights approved under this SWSP would be delivered to storage (changed Catlin A shares and leased waters) in Pueblo Reservoir by exchange, or directly to John Martin Reservoir, delivered to recharge facilities under the Catlin Canal, or delivered to Excelsior Ditch and/or AGRA’s RFHL facilities for recharge.

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 May 5, 2022 through April 30, 2023, 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 **February 1, 2023**.
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. 21CW3072.
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. 21CW3072.
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 out-of-priority depletions resulting from operation under this SWSP, including those lagged depletions that occur to the stream after the expiration date of this SWSP.
6. 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.
7. Non-compliance with the terms of approval of this SWSP may subject the Applicant or their successors to orders to comply under sections 37-92-501 and 37-92-502, C.R.S., and potential court action under section 37-92-503, C.R.S.
8. The Applicant shall provide adequate accounting (including, but not limited to diversions, depletions, and river calls) on a monthly basis. The accounting must be submitted to the Division Engineer via the online submittal tool. Please contact Brian Sutton at brian.sutton@state.co.us to set up an account with the subject line "Catlin Augmentation Association SWSP". Accounting must be submitted within 10 days after the end of the month for which the accounting applies. Accounting and reporting procedures are subject to approval and modification by the Division Engineer.
9. When applicable, Applicant will submit augmentation replacement requests via the "Arkansas Basin Water Operations Dashboard" (<http://div2waterops.com/AnonymousHome>). To set up an account on the "Arkansas Basin Water Operations Dashboard", email the River and Reservoir Operations Coordinator (phil.reynolds@state.co.us) with; user name, user email address, user phone number, and indicate SWSP name (Or SWSP group WDID). Once the applicant's request is made through the "Arkansas Basin Water Operations Dashboard", the Division Engineer's Office will review and either approve or deny the request. This decision will be emailed to applicants through the "Dashboard" to document this transaction.
10. 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. CAA 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.
11. Unit Response Functions for the proposed recharge pits given in the documentation of the LAVWCD Pilot Project, the Catlin Canal IWSA or Case No. 04CW62.
12. Augmentation credits and return flow obligations associated with the Catlin Canal shares will be determined at the augmentation stations as estimated in Table 14. The net credit available will be determined after deducting appropriate losses to the point of delivery.
13. 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.
14. Transit losses on all deliveries of CAA replacement water shall be as determined by the Division Engineer or his delegated representative. All exchange operations are as approved administratively by the Division Engineer and this administrative exchange shall be considered junior to all decreed exchanges in the relevant reaches and equal to all other administratively approved exchanges.
15. 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 Plan 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, CAA 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. CAA shall confer with the Division Engineer as requested to determine the amount, time and location of Fry-Ark return flows.
16. Approval of this SWSP does not give CAA 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 CAA may have.
17. CAA'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 CAA's SWSP only if, and to the extent, such water is allocated by Southeastern to CAA, and is purchased from Southeastern.

18. For the purposes of this SWSP, approval of the Applicant's methodology, claimed water requirements, consumptive use and recharge calculations and associated uses are being accepted. However, as Division 2 staff continue to assess the uses and operations, these values may change.
19. **All dry up parcels will be subject to the dry up provisions in 12CW94 paragraph 14.22.** Any disputed dry up will not be accepted until it is resolved per 12CW94.
20. 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.
21. 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 in Case No. 21CW3072.

Should you have any questions, please contact Melissa van der Poel in Denver, or Rachel Zancanella, Assistant Division Engineer, in Pueblo, at (719) 565-8686.

Sincerely,



Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: Operating Procedures for Administration of Parcels Claimed for Augmentation Credit

cc: Division 2 SWSP Review team
Doug Hollister, North Regional Team Leader
Steve Stratman, Water Commissioner District 14
Lonnie Spady, River Operations Coordinator
Jeannette Myers, Deputy Water Commissioner District 17
Brandy Cole, Water Commissioner District 67
Opposers to Case No. 21CW3072

Exhibit A
to
Appendix B.3

Operating Procedures for Administration of Parcels Claimed for Augmentation Credit

Plans Approved by the Colorado State Engineer
Pursuant to the Amended Rules and Regulations Governing the
Diversion and Use of Tributary Ground Water in the Arkansas
River Basin, Colorado

September 2005



I. Selection and Approval of Parcels for Augmentation Credit

A. Colorado's Evaluation of Acreage

The Colorado Division of Water Resources (CDWR) has conducted several studies of irrigated lands in the Lower Arkansas Basin over a period of several decades. During the Kansas v. Colorado court case George Moravec developed mapping of irrigated acreage and assignments to ditch service areas using 1985 aerial photos for the area between Pueblo and the Kansas-Colorado stateline. Similarly, Spronk Water Engineers evaluated 1980 aerial photos for the State of Kansas and developed mapping of irrigated lands in the same area. Experts also reviewed historic aerial photos and data to assess changes in acreage during the period just prior to the Arkansas River Compact through 1980.

In 1998 and again in 2002 and 2003, the CDWR conducted studies of irrigated lands in the same areas using satellite imagery to classify irrigated and non-irrigated lands. Additionally, the CDWR has developed an ongoing data collection system to determine the lands irrigated by wells as a sole source of supply or as a supplemental source to surface water by conducting farm verification interviews each winter with farm operators in the lower basin. The work done by Colorado to identify and map irrigated lands has been critiqued by Kansas and by Colorado water right owners and ditch companies and corrected as applicable.

The Colorado State Engineer believes that the result of these studies is a comprehensive set of mapping that should be relied upon for evaluating claims for augmentation credit derived from the removal of pre-compact water rights for replacement of stream depletions caused by post-compact well pumping.

B. Nomination of Parcels for Dry-up Credits in Replacement Plans

Beginning with the 2006-07 Replacement Plan year, plan proponents will need to select parcels for dry-up credit utilizing the mapping developed by the CDWR for any dry-up credit to be claimed under the provisions of Rule 6 of the Amended Rules and Regulations Governing the Diversion and Use of Tributary Ground Water in the Arkansas River Basin, Colorado (Amended Use Rules). The CDWR mapping will include areas shown as irrigated in either the 1985 aerial photos evaluated by Colorado or the 1980 aerial photos evaluated by Kansas. Parcels identified within this mapped area that have not had shares moved to different locations will be eligible for dry-up crediting under Rule 6 provisions.

Mapped parcels shall be provided in GIS format compatible with the ArcView software used by the CDWR unless provisions are made to coordinate mapping with the Division 2 Office in Pueblo. Mapping for nominated parcels must be provided with the March 1, 2006 Replacement Plan submittals in order to ensure timely approval of replacement sources for the 2006-07 Plan Year and by March 1st of each succeeding plan year.

Example of CDWR Mapping



Plan proponents seeking to nominate any lands they believe were historically irrigated that do not lie within the mapped irrigated lands developed by the CDWR must seek a change of water right for the associated shares in Division 2 Water Court prior to approval in any plan approved pursuant to the Amended Use Rules.

C. Minimum Standards for Parcel Selection

Dry-up parcels must be at least five acres unless they comprise all of an existing DWR parcel that is already less than five acres. Parcels that represent a portion of an existing field can only be split with the direction of historic irrigation unless a means of physical separation is approved by the Division Engineer. A physical separation must exist between any irrigated portion of a parcel and the dry-up portion unless prior approval by the Division Engineer's Office is received. Waiver of the physical separation criteria will only occur for areas adjacent to sprinkler or drip systems and not for flood and furrow irrigation. For dry-up fields left fallow or with a dryland cover crop without permanent root system (that is, not alfalfa or pasture grass

for example), the separation can be a ditch or tilled strip at least ten feet in width that prevents irrigation application from reaching the dry-up parcel. For partial fields containing deep-rooted crops such as alfalfa or pasture grass a deep tilled separation of at least 25 feet must be maintained along with any ditches necessary to ensure no irrigation application to the dry-up portion. For any dry-up parcel that is planted with a dryland crop (haygrazer, milo, millet, etc.), the crop should either be drilled at an angle to normal irrigation direction or a tilled strip maintained at the top of the field that clearly separates the crop from any possible irrigation source (preferably both).

Example of Physical Separation Between Irrigated Parcel and Dry-up Parcel



Example of Tilled Strip at Dry-up Parcel Header for Dryland Crop



D. Dry-up Parcels Irrigated by Sole Source Wells

For any parcel from which surface water has been removed and claimed for augmentation credit, but which will be irrigated by a sole source well (e.g. drip systems or sprinkler systems or sole source flood), the following information must be provided with each March 1st Plan submittal:

1. Well ID Number(s) serving the parcel
2. Method of irrigation (Drip, Sprinkler, Flood, Etc.)
3. Description of how parcel will be separated from surface water irrigation and storm runoff from areas adjacent to the parcel
 - a) Removal of header ditch
 - b) Plug in header ditch or in feeder from surface water lateral
 - c) Other method (describe)

E. Parcels Formerly Containing Alfalfa or Alfalfa-Grass Stands

Beginning with the 2006-07 Replacement Plan Year parcels containing alfalfa or mixed alfalfa stands must be deep tilled or chemically killed by no later than April 1st of each Plan Year unless the CDWR field staff have inspected the parcel and the Division Engineer has agreed that the alfalfa stand will not produce any significant growth due to either precipitation or sub-irrigation. Notwithstanding these provisions, for any parcel that exhibits sustained growth (i.e. plant growth to a height of more than 6 inches) during the dry-up year, the CDWR field staff shall require either immediate chemical kill or deep tillage or shall deem the parcel to be disqualified for augmentation credit.

F. Parcels with Areas of High Ground Water or Seepage

Fields containing areas of high ground water or areas effected by seepage from ditches or natural water courses, ponds or reservoirs may be disqualified or required to be chemically

killed or deep tilled if significant crop growth continues to occur during the irrigation season absent irrigation supply.

G. Plan Year and H-I Model Year Dry-up Claims

Due to the conflict between Replacement Plan years (April 1st through March 31st) and H-I Modeling periods (January 1st through December 31st), replacement plan proponents shall indicate whether a dry-up claim is for the Plan Year of calendar year. For any dry-up parcel irrigated during the period January through March of any year, but nominated for dry-up credit after April 1st (e.g. winter wheat), the plan proponent must provide a consumptive use analysis consistent with the methodology used for H-I Model crediting prepared by a registered professional engineer to determine how to pro-rate the dry-up acreage for the partial H-I Model year. This analysis must be submitted by no later than May 1st of the year in which the partial credit is being claimed. An estimate of the reduction in consumptive credit to be used in the Replacement Plan shall be provided with the March 1st plan submittal for purposes of plan evaluation and approval.

H. Mapping by Division of Water Resources for Approved Parcels

Using GIS data provided by the plan proponents, Division 2 staff will prepare dry-up shapefiles and mapping of the parcels approved in the replacement plan. This data and mapping will be used by CDWR field staff and Kansas to monitor dry-up fields. Division 2 staff will attempt to make this mapping available by April 15th of each year. Final mapping for dry-up affidavits will be produced at the conclusion of the credit period (January 15th for calendar year dry-up and April 15th for replacement year dry-up).

II. Parcel Identification

A. Parcel Identification

Parcels shall normally be identified using the Parcel ID established by CDWR unless another parcel identification system is approved by the Division Engineer. Mapping of approved parcels and data collection by CDWR field staff while monitoring parcels will rely on the Parcel ID to relate parcel information. The typical Parcel ID is in the format Township Number, Range Number, Section Number and a two-digit field number (e.g. 21573607).

B. Physical Identification of Dry-up Parcels

1. Permanent Dry-up Parcels

For parcels that have been approved for dry-up for at least three consecutive years, or that are intended for permanent removal of all types of irrigation, a sign shall be placed in a prominent location near the most logical point of observation near a public road way or the commonly used access point to the parcel. The sign shall be securely mounted on a 4" x 4" or 6" by 6" timber post and shall be at least 9" wide by 12" high, made of durable material, and with minimum 1" lettering. Signs shall state "Dry-Up Parcel ID XXXXXXXX".

2. Temporary Dry-up Parcels

For parcels that are nominated for only temporary dry-up (less than three consecutive years), a sign shall be placed in a prominent location near the most logical point of observation near a public road way or the commonly used access point to the parcel. The sign shall be securely mounted on a steel tee-post or 4" x 4" or 6" by 6" timber post and shall be at least 12" wide by 6" high, made of durable material, and with minimum 1" lettering.

Signs shall state:

**“Dry-Up Parcel ID XXXXXXXX”
“No Irrigation”**

or

**“Dry-Up Parcel ID XXXXXXXX”
“Irrigated by Well ID XXXXXXXX”**

3. Installation of Signs

Signs shall be installed by no later than April 1st of each year and signs on permanent dry-up fields shall be inspected for damage and possible replacement by April 1st of each year. Mapping showing sign locations or GPS locations of signs shall be provided by no later than April 15th of each year.

III. Field Monitoring of Dry-up Parcels

A. Colorado Division of Water Resources' Role

Division of Water Resources field staff shall visit dry-up parcels on a periodic basis during each irrigation season to determine adequacy of dry-up provisions and sources of irrigation supply for parcels that have ongoing irrigation by sole source wells. Data will be collected for each parcel as shown on the attached field inspection form. Data collected will be maintained in the Division 2 Office and periodically provided to Kansas and interested parties upon request. Problems discovered during the periodic inspections will be communicated to the designated person for each plan so that the problem can be resolved or credits forfeited for the specific parcel.

Shares attributable to any parcel deemed by the Division Engineer as not actually being in a dried up condition shall be immediately removed from computations of augmentation credits.

The CDWR personnel will also conduct joint field inspections as requested with personnel from Kansas and will coordinate on communication about problems with any dry-up parcels that will affect the H-I Model input data.

B. Role of Plan Proponent and Well Owners

Each replacement plan shall designate with the March 1st Plan Application a contact person or person(s) for communications related to dry-up parcels. The contact person shall be responsible for ensuring that all mapping, signage and owner information is provided as described above. The contact person will also be responsible for contacting any owners for parcels with restricted access to arrange periodic field inspections and will be available to participate on field inspections by CDWR field staff upon request. The contact person will be responsible for communicating with owners of tracts where problems with dry-up conditions have been encountered to correct dry-up deficiencies. The plan proponent contact will also be responsible for ensuring that all dry-up affidavits are submitted in a timely manner and with complete documentation as may be required by plan approval conditions.

Owners of dry-up parcels will be responsible for notifying CDWR when any spill or irrigation occurs on a parcel that may disqualify the parcel or portions thereof from dry-up crediting. Timely notification will facilitate remediation activities that may preserve most dry-up credit for a parcel. When required by CDWR staff to take corrective actions on a

parcel the owner or contact person will prepare a report to document actions taken and submit the report to the Division 2 Office within ten days of remediation activities.

C. Resolution of Problems with Tracts

When a problem is discovered on a tract the Division Engineer or designated representative will determine whether an acreage reduction or consumptive use reduction is necessary. For parcels where dry-up has been unobtainable for the majority of a season on a discreet portion of a parcel an acreage deduction will be made for the dry-up crediting to eliminate that portion.

For parcels that experience continued growth of permanent vegetation, such as alfalfa, despite efforts to chemically kill or deep till the parcel, partial dry-up credit will only be considered if a consumptive use analysis prepared as described in Paragraph I-G above is submitted with the dry-up affidavit.

D. Dry-up Affidavits

At the conclusion of each dry-up period (either April through December or April through the following March), an affidavit shall be submitted signed by a person having knowledge of the dry-up activities and historic irrigation of the parcel. An example of the dry-up affidavit is attached. Affidavits will normally be due by January 15th for April through December dry-up or by April 15th for April through March dry-up.

Affidavits for each plan shall be submitted with a summary tabulation indicating for each parcel whether the claim is made for full credit, partial credit or whether the tract was irrigated by a sole source well. Summary tabulations shall total the claimed acreage by category under each ditch.

Affidavit of _____
(Name of individual having personal knowledge of dry up)

State of Colorado)
) SS.
County of Otero)

I _____, being sworn, state as follows:
Name

1. I am _____ (describe the position that you are in or the circumstance, which allows you to have a personal knowledge of the dry up of the parcel of land described in paragraph 3 below).

2. I reside at _____.
Address (Street/P.O., City, State ZIP)

3. The parcels of land shown on the attached map in the dried up acreage section of the Arkansas River Replacement Plan Application for CWPDA was irrigated by water from the Holbrook Canal prior to the dry up of the land for augmentation credit.

4. Based on my personal knowledge, the parcels of land shown on the attached map and described in the dried up acreage section of the Arkansas River Replacement Plan Application for CWPDA was not irrigated from the Holbrook Canal or from any other water source in 2003.

Further, the affiant sayeth not.

Signature
Name _____
Address _____

of Affiant

Subscribed and sworn to before me on _____.
Date

My commission expires _____.

NOTARY PUBLIC

Signature
Name _____
Address _____



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 30, 2022

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 May 31, 2022 at the rate of 70 cfs out of the Offset Account. The overall release began initially on May 31, 2021 as a release of Kansas Charge subaccount water only. The Offset Account portion of the release began at approximately 09:00 hours, May 31, 2021 and ended at approximately 17:00 hours on June 9, 2022. 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 1,014 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 June 17, 2022 at the rate of 70 cfs. The Offset Account portion of the release began at approximately 9:00 hours, June 17, 2022 and ended at approximately 21:30 hours on August 3, 2022. 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.

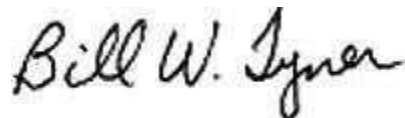
For both Kansas releases the States were able to agree on the calculated transit loss. However it is worth noting that currently, the States disagree how transit loss is applied towards figuring out a shortfall deficit and as a result, the shortfall deficit transit loss is yet to be resolved.

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 2,499 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, P.E.
Division Engineer, Division 2
Colorado Division of Water Resources

3 Enclosures

Ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Ayrton Hendrix
Rachel Zancanella
Lonnie Spady
Bethany Arnold

Enclosure 1
Kansas Release #1 Crediting Spreadsheet

Date	Flow Data			Release Data				Muskingum routing				Delivery Calculations	
	Mean Daily Stateline (SL) Flow	Mean Daily Stateline (SL) Flow	SL flow less antecedent flow	Offset Consumable Release	Offset Non-Consumable Release	Section 2 Release	Transit Loss Release	Total Release	Total Release Times 1.05	Routed release	Routed release, lagged one day	Stateline Delivery Hydrograph	Equivalent Stateline Flow Hydrograph
	CFS	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
			124.0										
5/12/2022	34	67	0	0	0	0	0	0	0	0	0	0	0
5/13/2022	33	65	0	0	0	0	0	0	0	0	0	0	0
5/14/2022	35	68	0	0	0	0	0	0	0	0	0	0	0
5/15/2022	45	90	0	0	0	0	0	0	0	0	0	0	0
5/16/2022	40	79	0	0	0	0	0	0	0	0	0	0	0
5/17/2022	38	75	0	0	0	0	0	0	0	0	0	0	0
5/18/2022	38	75	0	0	0	0	0	0	0	0	0	0	0
5/19/2022	43	86	0	0	0	0	0	0	0	0	0	0	0
5/20/2022	40	79	0	0	0	0	0	0	0	0	0	0	0
5/21/2022	44	88	0	0	0	0	0	0	0	0	0	0	0
5/22/2022	44	87	0	0	0	0	0	0	0	0	0	0	0
5/23/2022	49	97	0	0	0	0	0	0	0	0	0	0	0
5/24/2022	59	117	0	0	0	0	0	0	0	0	0	0	0
5/25/2022	74	147	23	0	0	0	0	0	0	0	0	0	0
5/26/2022	63	124	0	0	0	0	0	0	0	0	0	0	0
5/27/2022	62	123	0	0	0	0	0	0	0	0	0	0	0
5/28/2022	68	134	10	0	0	0	0	0	0	0	0	0	0
5/29/2022	69	136	12	0	0	0	0	0	0	0	0	0	0
5/30/2022	68	136	12	0	0	0	0	0	0	0	0	0	0
5/31/2022	67	132	8	87	0	0	0	87	91	4	0	0	0
6/1/2022	60	119	0	139	0	0	0	139	146	40	4	0	0
6/2/2022	69	136	12	139	0	0	0	139	146	80	40	0	0
6/3/2022	77	153	29	139	0	0	0	139	146	105	80	0	0
6/4/2022	88	175	51	139	0	0	0	139	146	121	105	0	0
6/5/2022	89	177	53	139	0	0	0	139	146	130	121	0	0
6/6/2022	95	189	65	139	0	0	0	139	146	136	130	0	0
6/7/2022	110	218	94	139	0	0	0	139	146	140	136	0	0
6/8/2022	255	506	382	139	0	0	0	139	146	142	140	0	0
6/9/2022	394	781	657	98	0	0	0	98	103	141	142	0	0
6/10/2022	254	503	379	0	0	0	0	0	0	122	141	0	0
6/11/2022	186	369	245	0	0	0	0	0	0	76	122	0	0
6/12/2022	145	287	163	0	0	0	0	0	0	47	76	0	0
6/13/2022	119	236	112	0	0	0	0	0	0	29	47	0	0
6/14/2022	109	217	93	0	0	0	0	0	0	18	29	0	0
6/15/2022	101	201	77	0	0	0	0	0	0	0	13	0	0
6/16/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/17/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/18/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/19/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/20/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/21/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/22/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/23/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/24/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/25/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/26/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/27/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/28/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/29/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
6/30/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/1/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/2/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/3/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/4/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/5/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
7/6/2022	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals				1296	0	0	0	1296	1361	1332	1326		

Total Offset =	1296
Transit Loss on Consumable =	282
Granada Transit Loss Credit Percentage =	100.0%
Transit Loss Model Input JMR to Lamar =	24
Transit Loss Model Input Lamar to Granada =	76
Transit Loss Model Input Granada to Stateline =	112
Total Transit Loss Model Input =	212

Muskingum Derivation of factors			
K (hr)=	60	c0=	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

Antecedent Flow Calculations			
Initial Average=	126.54	AF	AF
Adjusted Average	123.98	1115.85	4
Final Baseflow	62.51	9.00	47
Computations for < 6 days			
Enter date of 6th day		0.00	13
Enter date of 5th day		0.00	0
Enter date of 4th day		0.00	0
Average with 6 days	123.98		0

Paragraph 3.b.iii check	
Average for prior days 11-20	79.28
Is value twice the computed Antecedent Flow Value?	No
Muskingum Day 6 =	#N/A
Para. 3.b.iii AF Value	#N/A

Offset Delivery Efficiency =	78.21%
Offset Net Delivery =	1014
Offset Consumable Delivery =	1014
ESF Delivery Efficiency =	#N/A
Section II Delivery =	#N/A
Section II Delivery Transit Loss =	#N/A
Evaporation Delivery Credit	0

Enclosure 2
Kansas Release #2 Crediting Spreadsheet

Date	Flow Data			Release Data				Muskingum routing				Delivery Calculations	
	Mean Daily StateLine (SL) Flow	Mean Daily StateLine (SL) Flow	SL flow less antecedent flow	Offset Consumable Release	Offset Non-Consumable Release	Section 2 Release	Transit Loss Release	Total Release	Total Release Times 1.05	Routed release	Routed release, lagged one day	StateLine Delivery Hydrograph	Equivalent StateLine Flow Hydrograph
	CFS	AF	124.0	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
5/29/2022	69	136	12	0	0	0	0	0	0	0	0	0	0
5/30/2022	68	136	12	0	0	0	0	0	0	0	0	0	0
5/31/2022	67	132	8	0	0	0	0	0	0	0	0	0	0
6/1/2022	60	119	0	0	0	0	0	0	0	0	0	0	0
6/2/2022	69	136	12	0	0	0	0	0	0	0	0	0	0
6/3/2022	77	153	29	0	0	0	0	0	0	0	0	0	0
6/4/2022	88	175	51	0	0	0	0	0	0	0	0	0	0
6/5/2022	89	177	53	0	0	0	0	0	0	0	0	0	0
6/6/2022	95	189	65	0	0	0	0	0	0	0	0	0	0
6/7/2022	110	218	94	0	0	0	0	0	0	0	0	0	0
6/8/2022	255	506	382	0	0	0	0	0	0	0	0	0	0
6/9/2022	394	781	657	0	0	0	0	0	0	0	0	0	0
6/10/2022	254	503	379	0	0	0	0	0	0	0	0	0	0
6/11/2022	186	369	245	0	0	0	0	0	0	0	0	0	0
6/12/2022	145	287	163	0	0	0	0	0	0	0	0	0	0
6/13/2022	119	236	112	0	0	0	0	0	0	0	0	0	0
6/14/2022	109	217	93	0	0	0	0	0	0	0	0	0	0
6/15/2022	101	201	77	0	0	0	0	0	0	0	0	0	0
6/16/2022	96	191	67	0	0	0	0	0	0	0	0	0	0
6/17/2022	85	169	45	87	0	0	0	87	91	4	0	0	0
6/18/2022	83	164	40	139	0	0	0	139	146	40	4	4	4
6/19/2022	81	161	37	139	0	0	0	139	146	80	40	40	40
6/20/2022	87	173	49	139	0	0	0	139	146	105	80	80	80
6/21/2022	84	166	42	139	0	0	0	139	146	121	105	105	105
6/22/2022	87	173	49	139	0	0	0	139	146	130	121	121	121
6/23/2022	95	188	64	139	0	0	0	139	146	136	130	130	130
6/24/2022	96	191	67	139	0	0	0	139	146	140	136	136	136
6/25/2022	99	197	73	139	0	0	0	139	146	142	140	140	140
6/26/2022	107	212	88	139	0	0	0	139	146	144	142	142	142
6/27/2022	104	206	82	139	0	0	0	139	146	144	144	144	144
6/28/2022	110	218	94	139	0	0	0	139	146	145	144	144	144
6/29/2022	113	224	100	139	0	0	0	139	146	145	145	145	145
6/30/2022	103	203	79	139	0	0	0	139	146	145	145	145	145
7/1/2022	112	222	98	139	0	0	0	139	146	146	145	145	145
7/2/2022	180	356	232	139	0	0	0	139	146	146	146	146	146
7/3/2022	127	251	127	139	0	0	0	139	146	146	146	146	146
7/4/2022	129	256	133	139	0	0	0	139	146	146	146	146	146
7/5/2022	124	247	123	139	0	0	0	139	146	146	146	146	146
7/6/2022	119	235	111	139	0	0	0	139	146	146	146	146	146
7/7/2022	122	242	118	139	0	0	0	139	146	146	146	146	146
7/8/2022	118	234	110	139	0	0	0	139	146	146	146	146	146
7/9/2022	110	218	94	139	0	0	0	139	146	146	146	146	146
7/10/2022	105	209	85	139	0	0	0	139	146	146	146	146	146
7/11/2022	99	197	73	139	0	0	0	139	146	146	146	146	146
7/12/2022	92	182	58	139	0	0	0	139	146	146	146	146	146
7/13/2022	91	180	56	139	0	0	0	139	146	146	146	146	146
7/14/2022	88	174	50	139	0	0	0	139	146	146	146	146	146
7/15/2022	87	172	48	139	0	0	0	139	146	146	146	146	146
7/16/2022	90	179	55	139	0	0	0	139	146	146	146	146	146
7/17/2022	90	179	55	139	0	0	0	139	146	146	146	146	146
7/18/2022	81	161	37	139	0	0	0	139	146	146	146	146	146
7/19/2022	77	152	28	51	88	0	0	139	146	146	146	146	146
7/20/2022	77	153	29	22	117	0	0	139	146	146	146	146	146
7/21/2022	68	134	10	20	119	0	0	139	146	146	146	146	146
7/22/2022	66	131	7	24	115	0	0	139	146	146	146	146	146
7/23/2022	70	139	15	22	116	0	0	139	146	146	146	146	146
7/24/2022	68	135	11	21	118	0	0	139	146	146	146	146	146
7/25/2022	100	198	74	17	122	0	0	139	146	146	146	146	146
7/26/2022	100	199	75	23	116	0	0	139	146	146	146	146	146
7/27/2022	81	162	38	15	124	0	0	139	146	146	146	146	146
7/28/2022	77	153	29	14	125	0	0	139	146	146	146	146	146
7/29/2022	97	192	68	20	119	0	0	139	146	146	146	146	146
7/30/2022	114	225	101	22	116	0	0	139	146	146	146	146	146
7/31/2022	114	227	103	25	114	0	0	139	146	146	146	146	146
8/1/2022	123	243	119	34	105	0	0	139	146	146	146	146	146
8/2/2022	97	193	69	34	104	0	0	139	146	146	146	146	146
8/3/2022	95	188	64	21	60	0	0	81	85	143	146	146	146
8/4/2022	96	191	67	0	0	0	0	0	0	117	143	143	143
8/5/2022	87	174	50	0	0	0	0	0	0	72	117	117	117
8/6/2022	75	150	26	0	0	0	0	0	0	45	72	72	72
8/7/2022	70	140	16	0	0	0	0	0	0	28	45	45	45
8/8/2022	70	138	14	0	0	0	0	0	0	17	28	28	28
8/9/2022	68	134	10	0	0	0	0	0	0	0	10	10	10
Totals				4777	1778	0	0	6555	6883	6855	6848		

Antecedent Flow Calculations			
Initial Average=	311.72	AF	AF
NO	1	0	0
NO	2	0	0
NO	3	0	0
YES	4	0	0
YES	5	0	0
YES	6	0	0
YES	7	0	0
YES	8	0	0
YES	9	0	0
YES	10	0	0
Adjusted Average	238.42	1668.92	4
NO		7.00	37
NO			49
NO			42
NO			49
YES			64
YES			67
YES			73
YES			88
YES			82
YES			94
Adjusted Average	216.69	1300.16	100
Final Baseflow	109.25	6.00	79
Computations for < 6 days			
Enter date of 6th day		0.00	146
Enter date of 5th day		0.00	127
Enter date of 4th day		0.00	133
Average with 6 days	216.69		123

Paragraph 3.b.iii check	
Average for prior days 11-20	194.08
Is value twice the computed Antecedent Flow Value?	No
Muskingum Day 6 =	#N/A
Para. 3.b.iii AF Value	#N/A

Total Offset =	6555
Transit Loss on Consumable =	2278
Granada Transit Loss Credit Percentage =	8.3%
Transit Loss Model Input JMR to Lamar =	21
Transit Loss Model Input Lamar to Granada =	69
Transit Loss Model Input Granada to StateLine =	633
Total Transit Loss Model Input =	722

Muskingum Derivation of factors
 K (hr)= 60 cO= 0.048
 x = 0.15 c1 = 0.333
 t (hr) = 24 c2 = 0.619
 cO+c1+c2 = 1.00

K t ratio check
 2Kx < t < 2K(1-x)
 18 < 24 < 102

Offset Delivery Efficiency =	52.31%
Offset Net Delivery =	3429
Offset Consumable Delivery =	2499
ESF Delivery Efficiency =	#N/A
Section II Delivery =	#N/A
Section II Delivery Transit Loss =	#N/A
Evaporation Delivery Credit	2.43

Enclosure 3
Summary Offset Accounting

Offset Account

May 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2891.81							203.57							845.29
1	8.88	0.00	0.00	0.00	5.95	2894.74	1	0.00	0.00	0.00	0.00	0.42	203.15	1	0.00	0.00	0.00	0.00	1.74	843.55
2	12.25	0.00	0.00	0.00	1.68	2905.31	2	0.00	0.00	0.00	0.00	0.12	203.03	2	0.00	0.00	0.00	0.00	0.49	843.06
3	11.79	0.00	0.00	0.00	4.58	2912.52	3	0.00	0.00	0.00	0.00	0.32	202.71	3	0.00	0.00	0.00	0.00	1.33	841.73
4	17.51	0.00	0.00	0.00	2.63	2927.40	4	0.00	0.00	0.00	0.00	0.18	202.53	4	0.00	0.00	0.00	0.00	0.76	840.97
5	16.48	0.00	0.00	0.00	0.93	2942.95	5	0.00	0.00	0.00	0.00	0.06	202.47	5	0.00	0.00	0.00	0.00	0.27	840.70
6	18.38	0.00	0.00	0.00	6.34	2954.99	6	0.00	0.00	0.00	0.00	0.44	202.03	6	0.00	0.00	0.00	0.00	1.81	838.89
7	24.13	0.00	0.00	0.00	6.39	2972.73	7	0.00	0.00	0.00	0.00	0.44	201.59	7	0.00	0.00	0.00	0.00	1.81	837.08
8	22.76	0.00	0.00	0.00	6.32	2989.17	8	0.00	0.00	0.00	0.00	0.43	201.16	8	0.00	0.00	0.00	0.00	1.78	835.30
9	21.18	0.00	0.00	0.00	7.92	3002.43	9	0.00	0.00	0.00	0.00	0.53	200.63	9	0.00	0.00	0.00	0.00	2.21	833.09
10	17.87	0.00	0.00	0.00	6.20	3014.10	10	0.00	0.00	0.00	0.00	0.42	200.21	10	0.00	0.00	0.00	0.00	1.72	831.37
11	16.36	0.00	0.00	0.00	10.89	3019.57	11	0.00	0.00	0.00	0.00	0.73	199.48	11	0.00	0.00	0.00	0.00	3.00	828.37
12	13.91	0.00	0.00	0.00	11.04	3022.44	12	0.00	0.00	0.00	0.00	0.73	198.75	12	0.00	0.00	0.00	0.00	3.03	825.34
13	10.48	0.00	0.00	0.00	6.05	3026.87	13	0.00	0.00	0.00	0.00	0.40	198.35	13	0.00	0.00	0.00	0.00	1.65	823.69
14	18.04	0.00	0.00	0.00	6.14	3038.77	14	0.00	0.00	0.00	0.00	0.40	197.95	14	0.00	0.00	0.00	0.00	1.67	822.02
15	23.67	0.00	0.00	0.00	6.22	3056.22	15	0.00	0.00	0.00	0.00	0.41	197.54	15	0.00	0.00	0.00	0.00	1.68	820.34
16	15.20	0.00	0.00	0.00	6.78	3064.64	16	0.00	0.00	0.00	0.00	0.44	197.10	16	0.00	0.00	0.00	0.00	1.82	818.52
17	10.47	0.00	0.00	0.00	8.94	3066.17	17	0.00	0.00	0.00	0.00	0.57	196.53	17	0.00	0.00	0.00	0.00	2.39	816.13
18	10.44	0.00	0.00	0.00	4.97	3071.64	18	0.00	0.00	0.00	0.00	0.32	196.21	18	0.00	0.00	0.00	0.00	1.32	814.81
19	10.56	0.00	0.00	0.00	8.93	3073.27	19	0.00	0.00	0.00	0.00	0.57	195.64	19	0.00	0.00	0.00	0.00	2.37	812.44
20	10.45	0.00	0.00	0.00	3.93	3079.79	20	0.00	0.00	0.00	0.00	0.25	195.39	20	0.00	0.00	0.00	0.00	1.04	811.40
21	10.48	0.00	0.00	0.00	3.99	3086.28	21	0.00	0.00	0.00	0.00	0.26	195.13	21	0.00	0.00	0.00	0.00	1.05	810.35
22	10.49	2809.28	0.00	0.00	4.00	5902.05	22	0.00	0.00	0.00	0.00	0.26	194.87	22	0.00	0.00	0.00	0.00	1.05	809.30
23	10.49	0.00	0.00	0.00	9.98	5902.56	23	0.00	0.00	0.00	0.00	0.33	194.54	23	0.00	0.00	0.00	0.00	1.37	807.93
24	16.92	0.00	0.00	0.00	10.01	5909.47	24	0.00	0.00	0.00	0.00	0.33	194.21	24	0.00	0.00	0.00	0.00	1.37	806.56
25	11.54	0.00	0.00	0.00	8.13	5912.88	25	0.00	0.00	0.00	0.00	0.27	193.94	25	0.00	0.00	0.00	0.00	1.11	805.45
26	12.33	0.00	0.00	0.00	12.46	5912.75	26	0.00	0.00	0.00	0.00	0.41	193.53	26	0.00	0.00	0.00	0.00	1.70	803.75
27	12.40	0.00	0.00	0.00	9.46	5915.69	27	0.00	0.00	0.00	0.00	0.31	193.22	27	0.00	0.00	0.00	0.00	1.29	802.46
28	16.99	0.00	0.00	0.00	9.50	5923.18	28	0.00	0.00	0.00	0.00	0.31	192.91	28	0.00	0.00	0.00	0.00	1.29	801.17
29	15.13	0.00	0.00	0.00	9.55	5928.76	29	0.00	0.00	0.00	0.00	0.31	192.60	29	0.00	0.00	0.00	0.00	1.29	799.88
30	11.18	0.00	0.00	0.00	9.25	5930.69	30	0.00	0.00	0.00	0.00	0.30	192.30	30	0.00	0.00	0.00	0.00	1.25	798.63
31	10.60	1251.72	0.00	86.78	10.95	7095.28	31	0.00	0.00	0.00	0.00	0.36	191.94	31	0.00	0.00	0.00	86.78	1.47	710.38
	449.36	4061.00	0.00	86.78	220.11			0.00	0.00	0.00	0.00	11.63			0.00	0.00	0.00	86.78	48.13	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2413.05							882.78							481.41
1	8.88	0.00	0.00	0.00	4.97	2416.96	1	8.88	0.00	0.00	0.00	1.82	889.84	1	0.00	0.00	0.00	0.00	0.99	480.42
2	12.25	0.00	0.00	0.00	1.41	2427.80	2	12.25	0.00	0.00	0.00	0.52	901.57	2	0.00	0.00	0.00	0.00	0.28	480.14
3	11.79	0.00	0.00	0.00	3.83	2435.76	3	11.79	0.00	0.00	0.00	1.42	911.94	3	0.00	0.00	0.00	0.00	0.76	479.38
4	17.51	0.00	0.00	0.00	2.20	2451.07	4	17.51	0.00	0.00	0.00	0.83	928.62	4	0.00	0.00	0.00	0.00	0.43	478.95
5	16.48	0.00	0.00	0.00	0.78	2466.77	5	16.48	0.00	0.00	0.00	0.30	944.80	5	0.00	0.00	0.00	0.00	0.15	478.80
6	18.38	0.00	0.00	0.00	5.31	2479.84	6	18.38	0.00	0.00	0.00	2.03	961.15	6	0.00	0.00	0.00	0.00	1.03	477.77
7	24.13	0.00	0.00	0.00	5.36	2498.61	7	24.13	0.00	0.00	0.00	2.08	983.20	7	0.00	0.00	0.00	0.00	1.03	476.74
8	22.76	0.00	0.00	0.00	5.31	2516.06	8	22.76	0.00	0.00	0.00	2.09	1003.87	8	0.00	0.00	0.00	0.00	1.01	475.73
9	21.18	0.00	0.00	0.00	6.66	2530.58	9	21.18	0.00	0.00	0.00	2.66	1022.39	9	0.00	0.00	0.00	0.00	1.26	474.47
10	17.87	0.00	0.00	0.00	5.23	2543.22	10	17.87	0.00	0.00	0.00	2.11	1038.15	10	0.00	0.00	0.00	0.00	0.98	473.49
11	16.36	0.00	0.00	0.00	9.19	2550.39	11	16.36	0.00	0.00	0.00	3.75	1050.76	11	0.00	0.00	0.00	0.00	1.71	471.78
12	13.91	0.00	0.00	0.00	9.32	2554.98	12	13.91	0.00	0.00	0.00	3.84	1060.83	12	0.00	0.00	0.00	0.00	1.72	470.06
13	10.48	0.00	0.00	0.00	5.11	2560.35	13	10.48	0.00	0.00	0.00	2.12	1069.19	13	0.00	0.00	0.00	0.00	0.94	469.12
14	18.04	0.00	0.00	0.00	5.19	2573.20	14	18.04	0.00	0.00	0.00	2.17	1085.06	14	0.00	0.00	0.00	0.00	0.95	468.17
15	23.67	0.00	0.00	0.00	5.27	2591.60	15	23.67	0.00	0.00	0.00	2.22	1106.51	15	0.00	0.00	0.00	0.00	0.96	467.21
16	15.20	0.00	0.00	0.00	5.75	2601.05	16	15.20	0.00	0.00	0.00	2.45	1119.26	16	0.00	0.00	0.00	0.00	1.04	466.17
17	10.47	0.00	0.00	0.00	7.59	2603.93	17	10.47	0.00	0.00	0.00	3.27	1126.46	17	0.00	0.00	0.00	0.00	1.36	464.81
18	10.44	0.00	0.00	0.00	4.22	2610.15	18	10.44	0.00	0.00	0.00	1.83	1135.07	18	0.00	0.00	0.00	0.00	0.75	464.06
19	10.56	0.00	0.00	0.00	7.59	2613.12	19	10.56	0.00	0.00	0.00	3.30	1142.33	19	0.00	0.00	0.00	0.00	1.35	462.71
20	10.45	0.00	0.00	0.00	3.34	2620.23	20	10.45	0.00	0.00	0.00	1.46	1151.32	20	0.00	0.00	0.00	0.00	0.59	462.12
21	10.48	0.00	0.00	0.00	3.40	2627.31	21	10.48	0.00	0.00	0.00	1.49	1160.31	21	0.00	0.00	0.00	0.00	0.60	461.52
22	10.49	1831.21	0.00	0.00	3.41	4465.60	22	10.49	1831.21	0.00	0.00	1.50	3000.51	22	0.00	0.00	0.00	0.00	0.60	460.92
23	10.49	0.00	0.00	0.00	7.55	4468.54	23	10.49	0.00	0.00	0.00	5.07	3005.93	23	0.00	0.00	0.00	0.00	0.78	460.14
24	16.92	0.00	0.00	0.00	7.58	4477.88	24	16.92	0.00	0.00	0.00	5.10	3017.75	24	0.00	0.00	0.00	0.00	0.78	459.36
25	11.54	0.00	0.00	0.00	6.16	4483.26	25	11.54	0.00	0.00	0.00	4.15	3025.14	25	0.00	0.00	0.00	0.00	0.63	458.73
26	12.33	0.00	0.00	0.00	9.45	4486.14	26	12.33	0.00	0.00	0.00	6.37	3031.10	26	0.00	0.00	0.00	0.00	0.97	457.76
27	12.40	0.00	0.00	0.00	7.18	4491.36	27	12.40	0.00	0.00	0.00	4.85	3038.65	27	0.00	0.00	0.00	0.00	0.73	457.03
28	16.99																			

Offset Account

June 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas																
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance										
						7095.28							191.94							710.38										
1	218.40	0.00	0.00	138.85	7.98	7166.85	1	0.00	0.00	0.00	0.00	0.21	191.73	1	0.00	0.00	0.00	138.85	0.80	570.73										
2	51.75	0.00	0.00	138.85	7.60	7072.15	2	0.00	0.00	0.00	0.00	0.20	191.53	2	0.00	0.00	0.00	138.85	0.61	431.27										
3	10.05	0.00	0.00	138.85	13.98	6929.37	3	0.00	0.00	0.00	0.00	0.38	191.15	3	0.00	0.00	0.00	138.85	0.85	291.57										
4	10.00	0.00	0.00	138.85	13.86	6786.66	4	0.00	0.00	0.00	0.00	0.38	190.77	4	0.00	0.00	0.00	138.85	0.58	152.14										
5	9.91	0.00	0.00	138.85	13.75	6643.97	5	0.00	0.00	0.00	0.00	0.39	190.38	5	0.00	0.00	0.00	138.85	0.31	12.98										
6	12.71	0.00	0.00	138.85	15.22	6502.61	6	0.00	0.00	0.00	0.00	0.44	189.94	6	0.00	0.00	0.00	12.95	0.03	0.00										
7	16.11	0.00	0.00	138.85	15.00	6364.87	7	0.00	0.00	0.00	0.00	0.44	189.50	7	0.00	0.00	0.00	0.00	0.00	0.00										
8	33.65	0.00	0.00	138.85	14.48	6245.19	8	0.00	0.00	0.00	0.00	0.43	189.07	8	0.00	0.00	0.00	0.00	0.00	0.00										
9	51.54	0.00	0.00	98.35	8.63	6189.75	9	0.00	0.00	0.00	0.00	0.27	188.80	9	0.00	0.00	0.00	0.00	0.00	0.00										
10	30.87	0.00	0.00	0.00	14.44	6206.18	10	0.00	0.00	0.00	0.00	0.44	188.36	10	0.00	0.00	0.00	0.00	0.00	0.00										
11	26.95	0.00	0.00	0.00	14.48	6218.65	11	0.00	0.00	0.00	0.00	0.44	187.92	11	0.00	0.00	0.00	0.00	0.00	0.00										
12	38.91	0.00	0.00	0.00	14.51	6243.05	12	0.00	0.00	0.00	0.00	0.44	187.48	12	0.00	0.00	0.00	0.00	0.00	0.00										
13	21.72	0.00	0.00	0.00	35.94	6228.83	13	0.00	0.00	0.00	0.00	1.08	186.40	13	0.00	0.00	0.00	0.00	0.00	0.00										
14	17.90	0.00	0.00	0.00	17.35	6229.38	14	0.00	0.00	0.00	0.00	0.52	185.88	14	0.00	0.00	0.00	0.00	0.00	0.00										
15	13.62	0.00	0.00	0.00	11.72	6231.28	15	0.00	0.00	0.00	0.00	0.35	185.53	15	0.00	0.00	0.00	0.00	0.00	0.00										
16	11.39	0.00	0.00	0.00	24.00	6218.67	16	0.00	0.00	0.00	0.00	0.72	184.81	16	0.00	0.00	0.00	0.00	0.00	0.00										
17	11.23	0.00	0.00	86.78	14.98	6128.14	17	0.00	0.00	0.00	0.00	0.45	184.36	17	0.00	0.00	0.00	0.00	0.00	0.00										
18	11.08	0.00	0.00	138.85	14.91	5985.46	18	0.00	0.00	0.00	0.00	0.45	183.91	18	0.00	0.00	0.00	0.00	0.00	0.00										
19	10.71	0.00	0.00	138.85	14.73	5842.59	19	0.00	0.00	0.00	0.00	0.45	183.46	19	0.00	0.00	0.00	0.00	0.00	0.00										
20	10.52	0.00	0.00	138.85	14.56	5699.70	20	0.00	0.00	0.00	0.00	0.46	183.00	20	0.00	0.00	0.00	0.00	0.00	0.00										
21	32.95	0.00	0.00	138.85	14.41	5579.39	21	0.00	0.00	0.00	0.00	0.46	182.54	21	0.00	0.00	0.00	0.00	0.00	0.00										
22	25.35	0.00	0.00	138.85	1.08	5464.81	22	0.00	0.00	0.00	0.00	0.03	182.51	22	0.00	0.00	0.00	0.00	0.00	0.00										
23	10.62	0.00	0.00	138.85	23.21	5313.37	23	0.00	0.00	0.00	0.00	0.78	181.73	23	0.00	0.00	0.00	0.00	0.00	0.00										
24	10.60	0.00	0.00	138.85	16.39	5168.73	24	0.00	0.00	0.00	0.00	0.56	181.17	24	0.00	0.00	0.00	0.00	0.00	0.00										
25	9.78	0.00	0.00	138.85	15.99	5023.67	25	0.00	0.00	0.00	0.00	0.56	180.61	25	0.00	0.00	0.00	0.00	0.00	0.00										
26	9.78	0.00	0.00	138.85	15.62	4878.98	26	0.00	0.00	0.00	0.00	0.56	180.05	26	0.00	0.00	0.00	0.00	0.00	0.00										
27	9.78	0.00	0.00	138.85	22.49	4727.42	27	0.00	0.00	0.00	0.00	0.83	179.22	27	0.00	0.00	0.00	0.00	0.00	0.00										
28	9.78	0.00	0.00	138.85	12.12	4586.23	28	0.00	0.00	0.00	0.00	0.46	178.76	28	0.00	0.00	0.00	0.00	0.00	0.00										
29	9.78	0.00	0.00	138.85	15.85	4441.31	29	0.00	0.00	0.00	0.00	0.61	178.15	29	0.00	0.00	0.00	0.00	0.00	0.00										
30	9.78	1372.22	1372.22	138.85	20.04	4292.20	30	0.00	0.00	0.00	0.00	0.81	177.34	30	0.00	1372.22	0.00	0.00	0.00	1372.22										
757.22						1372.22	0.00						0.00	0.00						14.60	0.00						1372.22	0.00	707.20	3.18
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge																
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance										
						5201.76							3845.43							454.01										
1	218.40	0.00	0.00	138.85	5.85	5275.46	1	218.40	0.00	0.00	0.00	4.33	4059.50	1	0.00	0.00	0.00	0.00	0.51	453.50										
2	51.75	0.00	0.00	138.85	5.60	5182.76	2	51.75	0.00	0.00	0.00	4.31	4106.94	2	0.00	0.00	0.00	0.00	0.48	453.02										
3	10.05	0.00	0.00	138.85	10.25	5043.71	3	10.05	0.00	0.00	0.00	8.12	4108.87	3	0.00	0.00	0.00	0.00	0.90	452.12										
4	10.00	0.00	0.00	138.85	10.08	4904.78	4	10.00	0.00	0.00	0.00	8.22	4110.65	4	0.00	0.00	0.00	0.00	0.90	451.22										
5	9.91	0.00	0.00	138.85	9.94	4765.90	5	9.91	0.00	0.00	0.00	8.33	4112.23	5	0.00	0.00	0.00	0.00	0.91	450.31										
6	12.71	0.00	0.00	138.85	10.92	4628.84	6	12.71	0.00	0.00	125.90	9.42	3989.62	6	0.00	0.00	0.00	0.00	1.03	449.28										
7	16.11	0.00	0.00	138.85	10.68	4495.42	7	16.11	0.00	0.00	138.85	9.20	3857.68	7	0.00	0.00	0.00	0.00	1.04	448.24										
8	33.65	0.00	0.00	138.85	10.23	4379.99	8	33.65	0.00	0.00	138.85	8.78	3743.70	8	0.00	0.00	0.00	0.00	1.02	447.22										
9	51.54	0.00	0.00	98.35	6.06	4327.12	9	51.54	0.00	0.00	98.35	5.17	3691.72	9	0.00	0.00	0.00	0.00	0.62	446.60										
10	30.87	0.00	0.00	0.00	10.09	4347.90	10	30.87	0.00	0.00	0.00	8.61	3713.98	10	0.00	0.00	0.00	0.00	1.04	445.56										
11	26.95	0.00	0.00	0.00	10.14	4364.71	11	26.95	0.00	0.00	0.00	8.66	3732.27	11	0.00	0.00	0.00	0.00	1.04	444.52										
12	38.91	0.00	0.00	0.00	10.19	4393.43	12	38.91	0.00	0.00	0.00	8.71	3762.47	12	0.00	0.00	0.00	0.00	1.04	443.48										
13	21.72	0.00	0.00	0.00	25.29	4389.86	13	21.72	0.00	0.00	0.00	21.66	3762.53	13	0.00	0.00	0.00	0.00	2.55	440.93										
14	17.90	0.00	0.00	0.00	12.23	4395.53	14	17.90	0.00	0.00	0.00	10.48	3769.95	14	0.00	0.00	0.00	0.00	1.23	439.70										
15	13.62	0.00	0.00	0.00	8.27	4400.88	15	13.62	0.00	0.00	0.00	7.09	3776.48	15	0.00	0.00	0.00	0.00	0.83	438.87										
16	11.39	0.00	0.00	0.00	16.95	4395.32	16	11.39	0.00	0.00	0.00	14.54	3773.33	16	0.00	0.00	0.00	0.00	1.69	437.18										
17	11.23	0.00	0.00	86.78	10.59	4309.18	17	11.23	0.00	0.00	86.78	9.09	3688.69	17	0.00	0.00	0.00	0.00	1.05	436.13										
18	11.08	0.00	0.00	138.85	10.49	4170.92	18	11.08	0.00	0.00	138.85	8.98	3551.94	18	0.00	0.00	0.00	0.00	1.06	435.07										
19	10.71	0.00	0.00	138.85	10.26	4032.52	19	10.71	0.00	0.00	138.85	8.74	3415.06	19	0.00	0.00	0.00	0.00	1.07	434.00										
20	10.52	0.00	0.00	138.85	10.05	3894.14	20	10.52	0.00	0.00	138.85	8.51	3278.22	20	0.00	0.00	0.00	0.00	1.08	432.92										
21	32.95	0.00	0.00	138.85	9.84	3778.40	21	32.95	0.00	0.00	138.85	8.29	3164.03	21	0.00	0.00	0.00	0.00	1.09	431.83										
22	25.35	0.00	0.00	138.85	0.73	3664.17	22	25.35	0.00	0.00	138.85	0.62	3049.91	22	0.00	0.00	0.00	0.00	0.08	431.75										
23	10.62	0.00	0.00	138.85	15.56	3520.38	23	10.62	0.00	0.00	138.85	12.95	2908.73	23	0.00	0.00	0.00	0.00	1.83	429.92										
24	10.60	0.00	0.00	138.85	10.86	3381.27	24	10.60	0.00	0.00	138.85	8.97	2771.51	24	0.00	0.00	0.00	0.00	1.33	428.59										
25	9.78	0.00	0.00	138.85	10.46	3241.74	25	9.78	0.00	0.00	138.85	8.57	2633.87	25	0.00	0.00	0.00	0.00	1.33	427.26										
26	9.78	0.00	0.00	138.85	10.08	3102.59	26	9.78	0.00	0.00	138.85	8.19	2496.61	26	0.00	0.00	0.00	0.00	1.33	425.93										
27	9.78	0.00	0.00	138.85	14.30	2959.22	27	9.78	0.00	0.00	138.85	11.51	2356.03	27	0.00	0.00	0.00	0.												

Offset Account

June 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1893.52							164.02							4.21
1	0.00	0.00	0.00	0.00	2.13	1891.39	1	0.00	0.00	0.00	0.00	0.18	163.84	1	0.00	0.00	0.00	0.00	0.00	4.21
2	0.00	0.00	0.00	0.00	2.00	1889.39	2	0.00	0.00	0.00	0.00	0.17	163.67	2	0.00	0.00	0.00	0.00	0.00	4.21
3	0.00	0.00	0.00	0.00	3.73	1885.66	3	0.00	0.00	0.00	0.00	0.32	163.35	3	0.00	0.00	0.00	0.00	0.00	4.20
4	0.00	0.00	0.00	0.00	3.78	1881.88	4	0.00	0.00	0.00	0.00	0.33	163.02	4	0.00	0.00	0.00	0.00	0.01	4.19
5	0.00	0.00	0.00	0.00	3.81	1878.07	5	0.00	0.00	0.00	0.00	0.33	162.69	5	0.00	0.00	0.00	0.00	0.01	4.18
6	0.00	0.00	0.00	0.00	4.30	1873.77	6	0.00	0.00	0.00	0.00	0.37	162.32	6	0.00	0.00	0.00	0.00	0.01	4.17
7	0.00	0.00	0.00	0.00	4.32	1869.45	7	0.00	0.00	0.00	0.00	0.37	161.95	7	0.00	0.00	0.00	0.00	0.01	4.16
8	0.00	0.00	0.00	0.00	4.25	1865.20	8	0.00	0.00	0.00	0.00	0.37	161.58	8	0.00	0.00	0.00	0.00	0.01	4.15
9	0.00	0.00	0.00	0.00	2.57	1862.63	9	0.00	0.00	0.00	0.00	0.22	161.36	9	0.00	0.00	0.00	0.00	0.01	4.14
10	0.00	0.00	0.00	0.00	4.35	1858.28	10	0.00	0.00	0.00	0.00	0.38	160.98	10	0.00	0.00	0.00	0.00	0.01	4.13
11	0.00	0.00	0.00	0.00	4.34	1853.94	11	0.00	0.00	0.00	0.00	0.38	160.60	11	0.00	0.00	0.00	0.00	0.01	4.12
12	0.00	0.00	0.00	0.00	4.32	1849.62	12	0.00	0.00	0.00	0.00	0.37	160.23	12	0.00	0.00	0.00	0.00	0.01	4.11
13	0.00	0.00	0.00	0.00	10.65	1838.97	13	0.00	0.00	0.00	0.00	0.92	159.31	13	0.00	0.00	0.00	0.00	0.02	4.09
14	0.00	0.00	0.00	0.00	5.12	1833.85	14	0.00	0.00	0.00	0.00	0.44	158.87	14	0.00	0.00	0.00	0.00	0.01	4.08
15	0.00	0.00	0.00	0.00	3.45	1830.40	15	0.00	0.00	0.00	0.00	0.30	158.57	15	0.00	0.00	0.00	0.00	0.01	4.07
16	0.00	0.00	0.00	0.00	7.05	1823.35	16	0.00	0.00	0.00	0.00	0.61	157.96	16	0.00	0.00	0.00	0.00	0.02	4.05
17	0.00	0.00	0.00	0.00	4.39	1818.96	17	0.00	0.00	0.00	0.00	0.38	157.58	17	0.00	0.00	0.00	0.00	0.01	4.04
18	0.00	0.00	0.00	0.00	4.42	1814.54	18	0.00	0.00	0.00	0.00	0.38	157.20	18	0.00	0.00	0.00	0.00	0.01	4.03
19	0.00	0.00	0.00	0.00	4.47	1810.07	19	0.00	0.00	0.00	0.00	0.39	156.81	19	0.00	0.00	0.00	0.00	0.01	4.02
20	0.00	0.00	0.00	0.00	4.51	1805.56	20	0.00	0.00	0.00	0.00	0.39	156.42	20	0.00	0.00	0.00	0.00	0.01	4.01
21	0.00	0.00	0.00	0.00	4.57	1800.99	21	0.00	0.00	0.00	0.00	0.40	156.02	21	0.00	0.00	0.00	0.00	0.01	4.00
22	0.00	0.00	0.00	0.00	0.35	1800.64	22	0.00	0.00	0.00	0.00	0.03	155.99	22	0.00	0.00	0.00	0.00	0.00	4.00
23	0.00	0.00	0.00	0.00	7.65	1792.99	23	0.00	0.00	0.00	0.00	0.66	155.33	23	0.00	0.00	0.00	0.00	0.02	3.98
24	0.00	0.00	0.00	0.00	5.53	1787.46	24	0.00	0.00	0.00	0.00	0.48	154.85	24	0.00	0.00	0.00	0.00	0.01	3.97
25	0.00	0.00	0.00	0.00	5.53	1781.93	25	0.00	0.00	0.00	0.00	0.48	154.37	25	0.00	0.00	0.00	0.00	0.01	3.96
26	0.00	0.00	0.00	0.00	5.54	1776.39	26	0.00	0.00	0.00	0.00	0.48	153.89	26	0.00	0.00	0.00	0.00	0.01	3.95
27	0.00	0.00	0.00	0.00	8.19	1768.20	27	0.00	0.00	0.00	0.00	0.71	153.18	27	0.00	0.00	0.00	0.00	0.02	3.93
28	0.00	0.00	0.00	0.00	4.53	1763.67	28	0.00	0.00	0.00	0.00	0.39	152.79	28	0.00	0.00	0.00	0.00	0.01	3.92
29	0.00	0.00	0.00	0.00	6.10	1757.57	29	0.00	0.00	0.00	0.00	0.53	152.26	29	0.00	0.00	0.00	0.00	0.01	3.91
30	0.00	0.00	0.00	0.00	7.93	1749.64	30	0.00	0.00	0.00	0.00	0.69	151.57	30	0.00	0.00	0.00	0.00	0.02	3.89
	0.00	0.00	0.00	0.00	143.88			0.00	0.00	0.00	0.00	12.45		0.00	0.00	0.00	0.00	0.32		
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1729.50							187.73							0.00
1	0.00	0.00	0.00	0.00	1.95	1727.55	1	0.00	0.00	0.00	0.00	0.21	187.52	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.83	1725.72	2	0.00	0.00	0.00	0.00	0.20	187.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.41	1722.31	3	0.00	0.00	0.00	0.00	0.37	186.95	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	3.45	1718.86	4	0.00	0.00	0.00	0.00	0.37	186.58	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	3.48	1715.38	5	0.00	0.00	0.00	0.00	0.38	186.20	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	3.93	1711.45	6	0.00	0.00	0.00	0.00	0.43	185.77	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.95	1707.50	7	0.00	0.00	0.00	0.00	0.43	185.34	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	3.88	1703.62	8	0.00	0.00	0.00	0.00	0.42	184.92	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	2.35	1701.27	9	0.00	0.00	0.00	0.00	0.26	184.66	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	3.97	1697.30	10	0.00	0.00	0.00	0.00	0.43	184.23	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	3.96	1693.34	11	0.00	0.00	0.00	0.00	0.43	183.80	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	3.95	1689.39	12	0.00	0.00	0.00	0.00	0.43	183.37	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	9.73	1679.66	13	0.00	0.00	0.00	0.00	1.06	182.31	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	4.68	1674.98	14	0.00	0.00	0.00	0.00	0.51	181.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	3.15	1671.83	15	0.00	0.00	0.00	0.00	0.34	181.46	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	6.44	1665.39	16	0.00	0.00	0.00	0.00	0.70	180.76	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	4.01	1661.38	17	0.00	0.00	0.00	0.00	0.44	180.32	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	4.04	1657.34	18	0.00	0.00	0.00	0.00	0.44	179.88	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	4.08	1653.26	19	0.00	0.00	0.00	0.00	0.44	179.44	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	4.12	1649.14	20	0.00	0.00	0.00	0.00	0.45	178.99	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.17	1644.97	21	0.00	0.00	0.00	0.00	0.45	178.54	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	1644.65	22	0.00	0.00	0.00	0.00	0.03	178.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	6.99	1637.66	23	0.00	0.00	0.00	0.00	0.76	177.75	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	5.05	1632.61	24	0.00	0.00	0.00	0.00	0.55	177.20	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.05	1627.56	25	0.00	0.00	0.00	0.00	0.55	176.65	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	5.06	1622.50	26	0.00	0.00	0.00	0.00	0.55	176.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	7.48	1615.02	27	0.00	0.00	0.00	0.00	0.81	175.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	4.14	1610.88	28	0.00	0.00	0.00	0.00	0.45	174.84	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	5.57	1605.31	29	0.00	0.00	0.00	0.00	0.60	174.24	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	7.24	1598.07	30	0.00	0.00	0.00	0.00	0.79	17							

Offset Account

July 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4292.20							177.34							1372.22
1	9.91	0.00	0.00	138.85	11.58	4151.68	1	0.00	0.00	0.00	0.00	0.48	176.86	1	0.00	0.00	0.00	138.85	3.70	1229.67
2	9.91	0.00	0.00	138.85	11.28	4011.46	2	0.00	0.00	0.00	0.00	0.48	176.38	2	0.00	0.00	0.00	138.85	3.34	1087.48
3	9.91	0.00	0.00	138.85	10.94	3871.58	3	0.00	0.00	0.00	0.00	0.48	175.90	3	0.00	0.00	0.00	138.85	2.97	945.66
4	46.28	0.00	0.00	138.85	10.60	3768.41	4	0.00	0.00	0.00	0.00	0.48	175.42	4	0.00	0.00	0.00	138.85	2.59	804.22
5	45.88	0.00	0.00	138.85	11.06	3664.38	5	0.00	0.00	0.00	0.00	0.51	174.91	5	0.00	0.00	0.00	138.85	2.36	663.01
6	53.43	0.00	0.00	138.85	4.63	3574.33	6	0.00	0.00	0.00	0.00	0.22	174.69	6	0.00	0.00	0.00	138.85	0.84	523.32
7	41.85	0.00	0.00	138.85	9.06	3468.27	7	0.00	0.00	0.00	0.00	0.44	174.25	7	0.00	0.00	0.00	138.85	1.33	383.14
8	33.48	0.00	0.00	138.85	12.94	3349.96	8	0.00	0.00	0.00	0.00	0.65	173.60	8	0.00	0.00	0.00	138.85	1.43	242.86
9	45.70	0.00	0.00	138.85	12.58	3244.23	9	0.00	0.00	0.00	0.00	0.65	172.95	9	0.00	0.00	0.00	138.85	0.91	103.10
10	63.83	0.89	0.89	138.85	12.02	3157.19	10	17.78	0.00	0.89	0.00	0.64	189.20	10	0.00	0.00	0.00	102.72	0.38	0.00
11	63.53	0.89	0.89	138.85	10.35	3071.52	11	17.78	0.00	0.89	0.00	0.62	205.47	11	0.00	0.00	0.00	0.00	0.00	0.00
12	48.42	0.89	0.89	138.85	11.41	2969.68	12	17.78	0.00	0.89	0.00	0.76	221.60	12	0.00	0.00	0.00	0.00	0.00	0.00
13	39.03	0.89	0.89	138.85	11.74	2858.12	13	17.78	0.00	0.89	0.00	0.87	237.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	34.47	0.89	0.89	138.85	9.93	2743.81	14	17.78	0.00	0.89	0.00	0.82	253.69	14	0.00	0.00	0.00	0.00	0.00	0.00
15	54.80	0.44	0.44	138.85	10.03	2649.73	15	8.89	0.00	0.44	0.00	0.93	261.21	15	0.00	0.00	0.00	0.00	0.00	0.00
16	45.79	0.00	0.00	138.85	9.73	2546.94	16	0.00	0.00	0.00	0.00	0.96	260.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	45.11	0.00	0.00	138.85	9.39	2443.81	17	0.00	0.00	0.00	0.00	0.96	259.29	17	0.00	0.00	0.00	0.00	0.00	0.00
18	34.31	0.00	0.00	138.85	9.39	2329.88	18	0.00	0.00	0.00	0.00	0.99	258.30	18	0.00	0.00	0.00	0.00	0.00	0.00
19	26.03	0.00	0.00	138.85	11.43	2205.63	19	0.00	0.00	0.00	0.00	1.27	257.03	19	0.00	0.00	0.00	0.00	0.00	0.00
20	22.30	0.00	0.00	138.85	4.63	2084.45	20	0.00	0.00	0.00	0.00	0.54	256.49	20	0.00	0.00	0.00	0.00	0.00	0.00
21	20.13	0.00	0.00	138.85	7.40	1958.33	21	0.00	0.00	0.00	0.00	0.91	255.58	21	0.00	0.00	0.00	0.00	0.00	0.00
22	23.93	0.00	0.00	138.85	8.80	1834.61	22	0.00	0.00	0.00	0.00	1.15	254.43	22	0.00	0.00	0.00	0.00	0.00	0.00
23	22.44	0.00	0.00	138.85	8.32	1709.88	23	0.00	0.00	0.00	0.00	1.16	253.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	20.98	0.00	0.00	138.85	7.83	1584.18	24	0.00	0.00	0.00	0.00	1.16	252.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.04	0.00	0.00	138.85	3.61	1458.76	25	0.00	0.00	0.00	0.00	0.57	251.54	25	0.00	0.00	0.00	0.00	0.00	0.00
26	22.88	0.00	0.00	138.85	3.33	1339.46	26	0.00	0.00	0.00	0.00	0.57	250.97	26	0.00	0.00	0.00	0.00	0.00	0.00
27	14.56	0.00	0.00	138.85	4.02	1211.15	27	0.00	0.00	0.00	0.00	0.75	250.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	14.08	0.00	0.00	138.85	3.89	1082.49	28	0.00	0.00	0.00	0.00	0.80	249.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	19.71	0.00	0.00	138.85	1.86	961.49	29	0.00	0.00	0.00	0.00	0.43	248.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	22.38	0.00	0.00	138.85	1.66	843.36	30	0.00	0.00	0.00	0.00	0.43	248.56	30	0.00	0.00	0.00	0.00	0.00	0.00
31	24.89	0.00	0.00	138.85	1.37	728.03	31	0.00	0.00	0.00	0.00	0.41	248.15	31	0.00	0.00	0.00	0.00	0.00	0.00
996.99	4.89	4.89	4304.35	256.81			97.79	0.00	4.89	0.00	22.09			0.00	0.00	0.00	1352.37	19.85		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2542.56							573.48							419.52
1	9.91	0.00	0.00	138.85	6.86	2406.76	1	9.91	0.00	0.00	0.00	1.55	581.84	1	0.00	0.00	0.00	0.00	1.13	418.39
2	9.91	0.00	0.00	138.85	6.54	2271.28	2	9.91	0.00	0.00	0.00	1.58	590.17	2	0.00	0.00	0.00	0.00	1.14	417.25
3	9.91	0.00	0.00	138.85	6.20	2136.14	3	9.91	0.00	0.00	0.00	1.61	598.47	3	0.00	0.00	0.00	0.00	1.14	416.11
4	46.28	0.00	0.00	138.85	5.85	2037.72	4	46.28	0.00	0.00	0.00	1.64	643.11	4	0.00	0.00	0.00	0.00	1.14	414.97
5	45.88	0.00	0.00	138.85	5.98	1938.77	5	45.88	0.00	0.00	0.00	1.89	687.10	5	0.00	0.00	0.00	0.00	1.22	413.75
6	53.43	0.00	0.00	138.85	2.45	1850.90	6	53.43	0.00	0.00	0.00	0.87	739.66	6	0.00	0.00	0.00	0.00	0.52	413.23
7	41.85	0.00	0.00	138.85	4.69	1749.21	7	41.85	0.00	0.00	0.00	1.87	779.64	7	0.00	0.00	0.00	0.00	1.05	412.18
8	33.48	0.00	0.00	138.85	6.53	1637.31	8	33.48	0.00	0.00	0.00	2.91	810.21	8	0.00	0.00	0.00	0.00	1.54	410.64
9	45.70	0.00	0.00	138.85	6.14	1538.02	9	45.70	0.00	0.00	0.00	3.04	852.87	9	0.00	0.00	0.00	0.00	1.54	409.10
10	63.83	0.89	0.89	138.85	5.70	1457.30	10	46.05	0.89	0.00	36.13	3.16	860.52	10	0.00	0.00	0.00	0.00	1.52	407.58
11	63.53	0.89	0.89	138.85	4.78	1377.20	11	45.75	0.89	0.00	138.85	2.82	765.49	11	0.00	0.00	0.00	0.00	1.34	406.24
12	48.42	0.89	0.89	138.85	5.11	1281.66	12	30.64	0.89	0.00	138.85	2.84	655.33	12	0.00	0.00	0.00	0.00	1.51	404.73
13	39.03	0.89	0.89	138.85	5.06	1176.78	13	21.25	0.89	0.00	138.85	2.59	536.03	13	0.00	0.00	0.00	0.00	1.60	403.13
14	34.47	0.89	0.89	138.85	4.08	1068.32	14	16.69	0.89	0.00	138.85	1.86	412.90	14	0.00	0.00	0.00	0.00	1.40	401.73
15	54.80	0.44	0.44	138.85	3.91	980.36	15	45.91	0.44	0.00	138.85	1.51	318.89	15	0.00	0.00	0.00	0.00	1.47	400.26
16	45.79	0.00	0.00	138.85	3.60	883.70	16	45.79	0.00	0.00	138.85	1.17	224.66	16	0.00	0.00	0.00	0.00	1.47	398.79
17	45.11	0.00	0.00	138.85	3.26	786.70	17	45.11	0.00	0.00	138.85	0.83	130.09	17	0.00	0.00	0.00	0.00	1.47	397.32
18	34.31	0.00	0.00	138.85	3.02	679.14	18	34.31	0.00	0.00	138.85	0.50	25.05	18	0.00	0.00	0.00	0.00	1.53	395.79
19	26.03	0.00	0.00	138.85	3.33	562.99	19	26.03	0.00	0.00	50.96	0.12	0.00	19	0.00	0.00	0.00	87.89	1.94	305.96
20	22.30	0.00	0.00	138.85	1.18	445.26	20	22.30	0.00	0.00	22.30	0.00	0.00	20	0.00	0.00	0.00	116.55	0.64	188.77
21	20.13	0.00	0.00	138.85	1.58	324.96	21	20.13	0.00	0.00	20.13	0.00	0.00	21	0.00	0.00	0.00	118.72	0.67	69.38
22	23.93	0.00	0.00	93.00	1.46	254.43	22	23.93	0.00	0.00	23.93	0.00	0.00	22	0.00	0.00	0.00	69.07	0.31	0.00
23	22.44	0.00	0.00	22.44	1.16	253.27	23	22.44	0.00	0.00	22.44	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	20.98	0.00	0.00	20.98	1.16	252.11	24	20.98	0.00	0.00	20.98	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.04	0.00	0.00	17.04	0.57	251.54	25	17.04	0.00	0.00	17.04	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	22.88	0.00	0.00	22.88	0.57	250.97	26	22.88	0.00	0.00	22.88	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	14.56	0.00	0.00	14.56	0.75	250.22	27	14.56	0.00	0.00	14.56	0.00	0.00	27	0.00	0.00				

Offset Account

July 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1749.64							151.57							3.89
1	0.00	0.00	0.00	0.00	4.72	1744.92	1	0.00	0.00	0.00	0.00	0.41	151.16	1	0.00	0.00	0.00	0.00	0.01	3.88
2	0.00	0.00	0.00	0.00	4.74	1740.18	2	0.00	0.00	0.00	0.00	0.41	150.75	2	0.00	0.00	0.00	0.00	0.01	3.87
3	0.00	0.00	0.00	0.00	4.74	1735.44	3	0.00	0.00	0.00	0.00	0.41	150.34	3	0.00	0.00	0.00	0.00	0.01	3.86
4	0.00	0.00	0.00	0.00	4.75	1730.69	4	0.00	0.00	0.00	0.00	0.41	149.93	4	0.00	0.00	0.00	0.00	0.01	3.85
5	0.00	0.00	0.00	0.00	5.08	1725.61	5	0.00	0.00	0.00	0.00	0.44	149.49	5	0.00	0.00	0.00	0.00	0.01	3.84
6	0.00	0.00	0.00	0.00	2.18	1723.43	6	0.00	0.00	0.00	0.00	0.19	149.30	6	0.00	0.00	0.00	0.00	0.00	3.84
7	0.00	0.00	0.00	0.00	4.37	1719.06	7	0.00	0.00	0.00	0.00	0.38	148.92	7	0.00	0.00	0.00	0.00	0.01	3.83
8	0.00	0.00	0.00	0.00	6.41	1712.65	8	0.00	0.00	0.00	0.00	0.56	148.36	8	0.00	0.00	0.00	0.00	0.01	3.82
9	0.00	0.00	0.00	0.00	6.44	1706.21	9	0.00	0.00	0.00	0.00	0.56	147.80	9	0.00	0.00	0.00	0.00	0.01	3.81
10	0.00	0.00	0.00	0.00	6.32	1699.89	10	0.00	0.00	0.00	0.00	0.55	147.25	10	0.00	0.00	0.00	0.00	0.01	3.80
11	0.00	0.00	0.00	0.00	5.57	1694.32	11	0.00	0.00	0.00	0.00	0.48	146.77	11	0.00	0.00	0.00	0.00	0.01	3.79
12	0.00	0.00	0.00	0.00	6.30	1688.02	12	0.00	0.00	0.00	0.00	0.55	146.22	12	0.00	0.00	0.00	0.00	0.01	3.78
13	0.00	0.00	0.00	0.00	6.68	1681.34	13	0.00	0.00	0.00	0.00	0.58	145.64	13	0.00	0.00	0.00	0.00	0.01	3.77
14	0.00	0.00	0.00	0.00	5.85	1675.49	14	0.00	0.00	0.00	0.00	0.51	145.13	14	0.00	0.00	0.00	0.00	0.01	3.76
15	0.00	0.00	0.00	0.00	6.12	1669.37	15	0.00	0.00	0.00	0.00	0.53	144.60	15	0.00	0.00	0.00	0.00	0.01	3.75
16	0.00	0.00	0.00	0.00	6.13	1663.24	16	0.00	0.00	0.00	0.00	0.53	144.07	16	0.00	0.00	0.00	0.00	0.01	3.74
17	0.00	0.00	0.00	0.00	6.13	1657.11	17	0.00	0.00	0.00	0.00	0.53	143.54	17	0.00	0.00	0.00	0.00	0.01	3.73
18	0.00	0.00	0.00	0.00	6.37	1650.74	18	0.00	0.00	0.00	0.00	0.55	142.99	18	0.00	0.00	0.00	0.00	0.01	3.72
19	0.00	0.00	0.00	0.00	8.10	1642.64	19	0.00	0.00	0.00	0.00	0.70	142.29	19	0.00	0.00	0.00	0.00	0.02	3.70
20	0.00	0.00	0.00	0.00	3.45	1639.19	20	0.00	0.00	0.00	0.00	0.30	141.99	20	0.00	0.00	0.00	0.00	0.01	3.69
21	0.00	0.00	0.00	0.00	5.82	1633.37	21	0.00	0.00	0.00	0.00	0.50	141.49	21	0.00	0.00	0.00	0.00	0.01	3.68
22	0.00	0.00	0.00	45.85	7.34	1580.18	22	0.00	0.00	0.00	0.00	0.64	140.85	22	0.00	0.00	0.00	0.00	0.02	3.66
23	0.00	0.00	0.00	116.41	7.16	1456.61	23	0.00	0.00	0.00	0.00	0.64	140.21	23	0.00	0.00	0.00	0.00	0.02	3.64
24	0.00	0.00	0.00	117.87	6.67	1332.07	24	0.00	0.00	0.00	0.00	0.64	139.57	24	0.00	0.00	0.00	0.00	0.02	3.62
25	0.00	0.00	0.00	121.81	3.04	1207.22	25	0.00	0.00	0.00	0.00	0.32	139.25	25	0.00	0.00	0.00	0.00	0.01	3.61
26	0.00	0.00	0.00	115.97	2.76	1088.49	26	0.00	0.00	0.00	0.00	0.32	138.93	26	0.00	0.00	0.00	0.00	0.01	3.60
27	0.00	0.00	0.00	124.29	3.27	960.93	27	0.00	0.00	0.00	0.00	0.42	138.51	27	0.00	0.00	0.00	0.00	0.01	3.59
28	0.00	0.00	0.00	124.77	3.09	833.07	28	0.00	0.00	0.00	0.00	0.45	138.06	28	0.00	0.00	0.00	0.00	0.01	3.58
29	0.00	0.00	0.00	119.14	1.43	712.50	29	0.00	0.00	0.00	0.00	0.24	137.82	29	0.00	0.00	0.00	0.00	0.01	3.57
30	0.00	0.00	0.00	116.47	1.23	594.80	30	0.00	0.00	0.00	0.00	0.24	137.58	30	0.00	0.00	0.00	0.00	0.01	3.56
31	0.00	0.00	0.00	113.96	0.96	479.88	31	0.00	0.00	0.00	0.00	0.22	137.36	31	0.00	0.00	0.00	0.00	0.01	3.55
	0.00	0.00	0.00	1116.54	153.22			0.00	0.00	0.00	0.00	14.21		0.00	0.00	0.00	0.00	0.00	0.34	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1598.07							173.45							0.00
1	0.00	0.00	0.00	0.00	4.31	1593.76	1	0.00	0.00	0.00	0.00	0.47	172.98	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	4.33	1589.43	2	0.00	0.00	0.00	0.00	0.47	172.51	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	4.33	1585.10	3	0.00	0.00	0.00	0.00	0.47	172.04	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	4.34	1580.76	4	0.00	0.00	0.00	0.00	0.47	171.57	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	4.64	1576.12	5	0.00	0.00	0.00	0.00	0.50	171.07	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.99	1574.13	6	0.00	0.00	0.00	0.00	0.22	170.85	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.99	1570.14	7	0.00	0.00	0.00	0.00	0.43	170.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	5.85	1564.29	8	0.00	0.00	0.00	0.00	0.64	169.78	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	5.88	1558.41	9	0.00	0.00	0.00	0.00	0.64	169.14	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	5.77	1552.64	10	0.00	0.00	0.00	0.00	0.63	168.51	10	17.78	0.00	0.89	0.00	0.00	16.89
11	0.00	0.00	0.00	0.00	5.09	1547.55	11	0.00	0.00	0.00	0.00	0.55	167.96	11	17.78	0.00	0.89	0.00	0.06	33.72
12	0.00	0.00	0.00	0.00	5.75	1541.80	12	0.00	0.00	0.00	0.00	0.62	167.34	12	17.78	0.00	0.89	0.00	0.13	50.48
13	0.00	0.00	0.00	0.00	6.10	1535.70	13	0.00	0.00	0.00	0.00	0.66	166.68	13	17.78	0.00	0.89	0.00	0.20	67.17
14	0.00	0.00	0.00	0.00	5.34	1530.36	14	0.00	0.00	0.00	0.00	0.58	166.10	14	17.78	0.00	0.89	0.00	0.23	83.83
15	0.00	0.00	0.00	0.00	5.59	1524.77	15	0.00	0.00	0.00	0.00	0.61	165.49	15	8.89	0.00	0.44	0.00	0.31	91.97
16	0.00	0.00	0.00	0.00	5.60	1519.17	16	0.00	0.00	0.00	0.00	0.61	164.88	16	0.00	0.00	0.00	0.00	0.34	91.63
17	0.00	0.00	0.00	0.00	5.60	1513.57	17	0.00	0.00	0.00	0.00	0.61	164.27	17	0.00	0.00	0.00	0.00	0.34	91.29
18	0.00	0.00	0.00	0.00	5.82	1507.75	18	0.00	0.00	0.00	0.00	0.63	163.64	18	0.00	0.00	0.00	0.00	0.35	90.94
19	0.00	0.00	0.00	0.00	7.40	1500.35	19	0.00	0.00	0.00	0.00	0.80	162.84	19	0.00	0.00	0.00	0.00	0.45	90.49
20	0.00	0.00	0.00	0.00	3.15	1497.20	20	0.00	0.00	0.00	0.00	0.34	162.50	20	0.00	0.00	0.00	0.00	0.19	90.30
21	0.00	0.00	0.00	0.00	5.32	1491.88	21	0.00	0.00	0.00	0.00	0.58	161.92	21	0.00	0.00	0.00	0.00	0.32	89.98
22	0.00	0.00	0.00	45.85	6.70	1439.33	22	0.00	0.00	0.00	0.00	0.73	161.19	22	0.00	0.00	0.00	0.00	0.40	89.58
23	0.00	0.00	0.00	116.41	6.52	1316.40	23	0.00	0.00	0.00	0.00	0.73	160.46	23	0.00	0.00	0.00	0.00	0.41	89.17
24	0.00	0.00	0.00	117.87	6.03	1192.50	24	0.00	0.00	0.00	0.00	0.73	159.73	24	0.00	0.00	0.00	0.00	0.41	88.76
25	0.00	0.00	0.00	121.81	2.72	1067.97	25	0.00	0.00	0.00	0.00	0.36	159.37	25	0.00	0.00	0.00	0.00	0.20	88.56
26	0.00	0.00	0.00	115.97	2.44	949.56	26	0.00	0.00	0.00	0.00	0.36	159.01	26	0.00	0.00	0.00	0.00	0.20	88.36
27	0.00	0.00	0.00	124.29	2.85	822.42	27	0.00	0.00	0.00	0.00	0.48	158.53	27	0.00	0.00	0.00	0.00	0.26	88.10
28	0.00	0.00	0.00	124.77	2.64	695.01	28	0.00	0.00	0.00	0.00	0.51	158.02	28	0.00	0.00	0.00	0.00	0.28	87.82
29	0.																			

Offset Account

August 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						728.03							248.15							0.00
1	35.28	0.00	0.00	138.85	2.30	622.16	1	0.00	0.00	0.00	0.00	0.79	247.36	1	0.00	0.00	0.00	0.00	0.00	0.00
2	34.39	0.00	0.00	138.85	2.52	515.18	2	0.00	0.00	0.00	0.00	1.00	246.36	2	0.00	0.00	0.00	0.00	0.00	0.00
3	21.02	0.00	0.00	81.00	1.42	453.78	3	0.00	0.00	0.00	0.00	0.68	245.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	15.31	0.00	0.00	0.00	1.45	467.64	4	0.00	0.00	0.00	0.00	0.79	244.89	4	0.00	0.00	0.00	0.00	0.00	0.00
5	11.89	0.00	0.00	0.00	2.11	477.42	5	0.00	0.00	0.00	0.00	1.11	243.78	5	0.00	0.00	0.00	0.00	0.00	0.00
6	9.96	0.00	0.00	0.00	2.17	485.21	6	0.00	0.00	0.00	0.00	1.11	242.67	6	0.00	0.00	0.00	0.00	0.00	0.00
7	12.37	0.00	0.00	0.00	2.16	495.42	7	0.00	0.00	0.00	0.00	1.08	241.59	7	0.00	0.00	0.00	0.00	0.00	0.00
8	16.14	0.00	0.00	0.00	1.41	510.15	8	0.00	0.00	0.00	0.00	0.69	240.90	8	0.00	0.00	0.00	0.00	0.00	0.00
9	45.57	0.00	0.00	0.00	1.70	554.02	9	0.00	0.00	0.00	0.00	0.80	240.10	9	0.00	0.00	0.00	0.00	0.00	0.00
10	45.99	0.00	0.00	0.00	1.78	598.23	10	0.00	0.00	0.00	0.00	0.77	239.33	10	0.00	0.00	0.00	0.00	0.00	0.00
11	45.68	0.00	0.00	0.00	2.17	641.74	11	0.00	0.00	0.00	0.00	0.87	238.46	11	0.00	0.00	0.00	0.00	0.00	0.00
12	45.57	0.00	0.00	0.00	2.55	684.76	12	0.00	0.00	0.00	0.00	0.94	237.52	12	0.00	0.00	0.00	0.00	0.00	0.00
13	45.22	0.00	0.00	0.00	2.73	727.25	13	0.00	0.00	0.00	0.00	0.94	236.58	13	0.00	0.00	0.00	0.00	0.00	0.00
14	37.05	0.00	0.00	0.00	2.85	761.45	14	0.00	0.00	0.00	0.00	0.93	235.65	14	0.00	0.00	0.00	0.00	0.00	0.00
15	27.44	0.00	0.00	0.00	2.17	786.72	15	0.00	0.00	0.00	0.00	0.67	234.98	15	0.00	0.00	0.00	0.00	0.00	0.00
16	21.83	0.00	0.00	0.00	2.25	806.30	16	0.00	0.00	0.00	0.00	0.67	234.31	16	0.00	0.00	0.00	0.00	0.00	0.00
17	22.70	0.00	0.00	0.00	1.36	827.64	17	0.00	0.00	0.00	0.00	0.40	233.91	17	0.00	0.00	0.00	0.00	0.00	0.00
18	45.37	0.00	0.00	0.00	2.10	870.91	18	0.00	0.00	0.00	0.00	0.60	233.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	45.83	0.00	0.00	0.00	2.08	914.66	19	0.00	0.00	0.00	0.00	0.56	232.75	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.83	0.00	0.00	0.00	2.16	958.33	20	0.00	0.00	0.00	0.00	0.55	232.20	20	0.00	0.00	0.00	0.00	0.00	0.00
21	52.47	0.35	0.35	0.00	2.35	1008.45	21	7.10	0.00	0.35	0.00	0.57	238.38	21	0.00	0.00	0.00	0.00	0.00	0.00
22	52.52	0.35	0.35	0.00	2.63	1058.34	22	7.10	0.00	0.35	0.00	0.62	244.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	52.62	0.35	0.35	0.00	2.32	1108.64	23	7.10	0.00	0.35	0.00	0.54	250.72	23	0.00	0.00	0.00	0.00	0.00	0.00
24	45.35	0.35	0.35	0.00	3.61	1150.38	24	7.10	0.00	0.35	0.00	0.82	256.65	24	0.00	0.00	0.00	0.00	0.00	0.00
25	39.21	0.35	0.35	0.00	4.13	1185.46	25	7.10	0.00	0.35	0.00	0.92	262.48	25	0.00	0.00	0.00	0.00	0.00	0.00
26	37.51	0.35	0.35	0.00	4.75	1218.22	26	7.10	0.00	0.35	0.00	1.05	268.18	26	0.00	0.00	0.00	0.00	0.00	0.00
27	31.88	0.35	0.35	0.00	4.91	1245.19	27	7.10	0.00	0.35	0.00	1.08	273.85	27	0.00	0.00	0.00	0.00	0.00	0.00
28	29.28	0.35	0.35	0.00	5.01	1269.46	28	7.10	0.00	0.35	0.00	1.10	279.50	28	0.00	0.00	0.00	0.00	0.00	0.00
29	20.30	0.00	0.00	0.00	3.73	1286.03	29	0.00	0.00	0.00	0.00	0.82	278.68	29	0.00	0.00	0.00	0.00	0.00	0.00
30	17.28	0.00	0.00	0.00	3.88	1299.43	30	0.00	0.00	0.00	0.00	0.84	277.84	30	0.00	0.00	0.00	0.00	0.00	0.00
31	16.91	0.00	0.00	0.00	6.12	1310.22	31	0.00	0.00	0.00	0.00	1.31	276.53	31	0.00	0.00	0.00	0.00	0.00	0.00
1025.77	2.80	2.80	358.70	84.88			56.80	0.00	2.80	0.00	25.62			0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						248.15							0.00							0.00
1	35.28	0.00	0.00	34.21	0.79	248.43	1	35.28	0.00	0.00	34.21	0.00	1.07	1	0.00	0.00	0.00	0.00	0.00	0.00
2	34.39	0.00	0.00	34.39	1.00	247.43	2	34.39	0.00	0.00	34.39	0.00	1.07	2	0.00	0.00	0.00	0.00	0.00	0.00
3	21.02	0.00	0.00	21.02	0.68	246.75	3	21.02	0.00	0.00	21.02	0.00	1.07	3	0.00	0.00	0.00	0.00	0.00	0.00
4	15.31	0.00	0.00	0.00	0.79	261.27	4	15.31	0.00	0.00	0.00	0.00	16.38	4	0.00	0.00	0.00	0.00	0.00	0.00
5	11.89	0.00	0.00	0.00	1.18	271.98	5	11.89	0.00	0.00	0.00	0.07	28.20	5	0.00	0.00	0.00	0.00	0.00	0.00
6	9.96	0.00	0.00	0.00	1.24	280.70	6	9.96	0.00	0.00	0.00	0.13	38.03	6	0.00	0.00	0.00	0.00	0.00	0.00
7	12.37	0.00	0.00	0.00	1.25	291.82	7	12.37	0.00	0.00	0.00	0.17	50.23	7	0.00	0.00	0.00	0.00	0.00	0.00
8	16.14	0.00	0.00	0.00	0.83	307.13	8	16.14	0.00	0.00	0.00	0.14	66.23	8	0.00	0.00	0.00	0.00	0.00	0.00
9	45.57	0.00	0.00	0.00	1.02	351.68	9	45.57	0.00	0.00	0.00	0.22	111.58	9	0.00	0.00	0.00	0.00	0.00	0.00
10	45.99	0.00	0.00	0.00	1.13	396.54	10	45.99	0.00	0.00	0.00	0.36	157.21	10	0.00	0.00	0.00	0.00	0.00	0.00
11	45.68	0.00	0.00	0.00	1.44	440.78	11	45.68	0.00	0.00	0.00	0.57	202.32	11	0.00	0.00	0.00	0.00	0.00	0.00
12	45.57	0.00	0.00	0.00	1.75	484.60	12	45.57	0.00	0.00	0.00	0.81	247.08	12	0.00	0.00	0.00	0.00	0.00	0.00
13	45.22	0.00	0.00	0.00	1.93	527.89	13	45.22	0.00	0.00	0.00	0.99	291.31	13	0.00	0.00	0.00	0.00	0.00	0.00
14	37.05	0.00	0.00	0.00	2.07	562.87	14	37.05	0.00	0.00	0.00	1.14	327.22	14	0.00	0.00	0.00	0.00	0.00	0.00
15	27.44	0.00	0.00	0.00	1.60	588.71	15	27.44	0.00	0.00	0.00	0.93	353.73	15	0.00	0.00	0.00	0.00	0.00	0.00
16	21.83	0.00	0.00	0.00	1.68	608.86	16	21.83	0.00	0.00	0.00	1.01	374.55	16	0.00	0.00	0.00	0.00	0.00	0.00
17	22.70	0.00	0.00	0.00	1.03	630.53	17	22.70	0.00	0.00	0.00	0.63	396.62	17	0.00	0.00	0.00	0.00	0.00	0.00
18	45.37	0.00	0.00	0.00	1.60	674.30	18	45.37	0.00	0.00	0.00	1.00	440.99	18	0.00	0.00	0.00	0.00	0.00	0.00
19	45.83	0.00	0.00	0.00	1.61	718.52	19	45.83	0.00	0.00	0.00	1.05	485.77	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.83	0.00	0.00	0.00	1.70	762.65	20	45.83	0.00	0.00	0.00	1.15	530.45	20	0.00	0.00	0.00	0.00	0.00	0.00
21	52.47	0.35	0.35	0.00	1.87	813.25	21	45.37	0.35	0.00	0.00	1.30	574.87	21	0.00	0.00	0.00	0.00	0.00	0.00
22	52.52	0.35	0.35	0.00	2.12	863.65	22	45.42	0.35	0.00	0.00	1.50	619.14	22	0.00	0.00	0.00	0.00	0.00	0.00
23	52.62	0.35	0.35	0.00	1.89	914.38	23	45.52	0.35	0.00	0.00	1.35	663.66	23	0.00	0.00	0.00	0.00	0.00	0.00
24	45.35	0.35	0.35	0.00	2.98	956.75	24	38.25	0.35	0.00	0.00	2.16	700.10	24	0.00	0.00	0.00	0.00	0.00	0.00
25	39.21	0.35	0.35	0.00	3.43	992.53	25	32.11	0.35	0.00	0.00	2.51	730.05	25	0.00	0.00	0.00	0.00	0.00	0.00
26	37.51	0.35	0.35	0.00	3.98	1026.06	26	30.41	0.35	0.00	0.00	2.93	757.88	26	0.00	0.00	0.00	0.00	0.00	0.00
27	31.88	0.35	0.35	0.00	4.14	1053.80	27	24.78	0.35	0.00	0.00	3.06	779.95	27	0.00	0.00	0.00	0.00	0.00	0.00
28	29.28	0.35	0.35	0.00	4.24	1078.84	28	22.18	0.35	0.00	0.00	3.14	799.34	28	0.00	0.00	0.00	0.00	0.00	0.00
29	20.30	0.00	0.00	0.00	3.17	1095.97	29	20												

Offset Account

August 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						479.88							137.36							3.55
1	0.00	0.00	0.00	104.64	1.51	373.73	1	0.00	0.00	0.00	0.00	0.43	136.93	1	0.00	0.00	0.00	0.00	0.01	3.54
2	0.00	0.00	0.00	104.46	1.52	267.75	2	0.00	0.00	0.00	0.00	0.56	136.37	2	0.00	0.00	0.00	0.00	0.01	3.53
3	0.00	0.00	0.00	59.98	0.74	207.03	3	0.00	0.00	0.00	59.98	0.38	76.01	3	0.00	0.00	0.00	0.00	0.01	3.52
4	0.00	0.00	0.00	0.00	0.66	206.37	4	0.00	0.00	0.00	0.00	0.24	75.77	4	0.00	0.00	0.00	0.00	0.01	3.51
5	0.00	0.00	0.00	0.00	0.93	205.44	5	0.00	0.00	0.00	0.00	0.34	75.43	5	0.00	0.00	0.00	0.00	0.02	3.49
6	0.00	0.00	0.00	0.00	0.93	204.51	6	0.00	0.00	0.00	0.00	0.34	75.09	6	0.00	0.00	0.00	0.00	0.02	3.47
7	0.00	0.00	0.00	0.00	0.91	203.60	7	0.00	0.00	0.00	0.00	0.33	74.76	7	0.00	0.00	0.00	0.00	0.02	3.45
8	0.00	0.00	0.00	0.00	0.58	203.02	8	0.00	0.00	0.00	0.00	0.21	74.55	8	0.00	0.00	0.00	0.00	0.01	3.44
9	0.00	0.00	0.00	0.00	0.68	202.34	9	0.00	0.00	0.00	0.00	0.25	74.30	9	0.00	0.00	0.00	0.00	0.01	3.43
10	0.00	0.00	0.00	0.00	0.65	201.69	10	0.00	0.00	0.00	0.00	0.24	74.06	10	0.00	0.00	0.00	0.00	0.01	3.42
11	0.00	0.00	0.00	0.00	0.73	200.96	11	0.00	0.00	0.00	0.00	0.27	73.79	11	0.00	0.00	0.00	0.00	0.01	3.41
12	0.00	0.00	0.00	0.00	0.80	200.16	12	0.00	0.00	0.00	0.00	0.29	73.50	12	0.00	0.00	0.00	0.00	0.01	3.40
13	0.00	0.00	0.00	0.00	0.80	199.36	13	0.00	0.00	0.00	0.00	0.29	73.21	13	0.00	0.00	0.00	0.00	0.01	3.39
14	0.00	0.00	0.00	0.00	0.78	198.58	14	0.00	0.00	0.00	0.00	0.29	72.92	14	0.00	0.00	0.00	0.00	0.01	3.38
15	0.00	0.00	0.00	0.00	0.57	198.01	15	0.00	0.00	0.00	0.00	0.21	72.71	15	0.00	0.00	0.00	0.00	0.01	3.37
16	0.00	0.00	0.00	0.00	0.57	197.44	16	0.00	0.00	0.00	0.00	0.21	72.50	16	0.00	0.00	0.00	0.00	0.01	3.36
17	0.00	0.00	0.00	0.00	0.33	197.11	17	0.00	0.00	0.00	0.00	0.12	72.38	17	0.00	0.00	0.00	0.00	0.01	3.35
18	0.00	0.00	0.00	0.00	0.50	196.61	18	0.00	0.00	0.00	0.00	0.18	72.20	18	0.00	0.00	0.00	0.00	0.01	3.34
19	0.00	0.00	0.00	0.00	0.47	196.14	19	0.00	0.00	0.00	0.00	0.17	72.03	19	0.00	0.00	0.00	0.00	0.01	3.33
20	0.00	0.00	0.00	0.00	0.46	195.68	20	0.00	0.00	0.00	0.00	0.17	71.86	20	0.00	0.00	0.00	0.00	0.01	3.32
21	0.00	0.00	0.00	0.00	0.48	195.20	21	0.00	0.00	0.00	0.00	0.18	71.68	21	0.00	0.00	0.00	0.00	0.01	3.31
22	0.00	0.00	0.00	0.00	0.51	194.69	22	0.00	0.00	0.00	0.00	0.19	71.49	22	0.00	0.00	0.00	0.00	0.01	3.30
23	0.00	0.00	0.00	0.00	0.43	194.26	23	0.00	0.00	0.00	0.00	0.16	71.33	23	0.00	0.00	0.00	0.00	0.01	3.29
24	0.00	0.00	0.00	0.00	0.63	193.63	24	0.00	0.00	0.00	0.00	0.23	71.10	24	0.00	0.00	0.00	0.00	0.01	3.28
25	0.00	0.00	0.00	0.00	0.70	192.93	25	0.00	0.00	0.00	0.00	0.26	70.84	25	0.00	0.00	0.00	0.00	0.01	3.27
26	0.00	0.00	0.00	0.00	0.77	192.16	26	0.00	0.00	0.00	0.00	0.28	70.56	26	0.00	0.00	0.00	0.00	0.01	3.26
27	0.00	0.00	0.00	0.00	0.77	191.39	27	0.00	0.00	0.00	0.00	0.28	70.28	27	0.00	0.00	0.00	0.00	0.01	3.25
28	0.00	0.00	0.00	0.00	0.77	190.62	28	0.00	0.00	0.00	0.00	0.28	70.00	28	0.00	0.00	0.00	0.00	0.01	3.24
29	0.00	0.00	0.00	0.00	0.56	190.06	29	0.00	0.00	0.00	0.00	0.21	69.79	29	0.00	0.00	0.00	0.00	0.01	3.23
30	0.00	0.00	0.00	0.00	0.57	189.49	30	0.00	0.00	0.00	0.00	0.21	69.58	30	0.00	0.00	0.00	0.00	0.01	3.22
31	0.00	0.00	0.00	0.00	0.89	188.60	31	0.00	0.00	0.00	0.00	0.33	69.25	31	0.00	0.00	0.00	0.00	0.02	3.20
	0.00	0.00	0.00	269.08	22.20			0.00	0.00	0.00	59.98	8.13			0.00	0.00	0.00	0.00	0.35	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						342.52							157.22							87.38
1	0.00	0.00	0.00	104.64	1.08	236.80	1	0.00	0.00	0.00	0.00	0.50	156.72	1	0.00	0.00	0.00	0.00	0.28	87.10
2	0.00	0.00	0.00	104.46	0.96	131.38	2	0.00	0.00	0.00	0.00	0.64	156.08	2	0.00	0.00	0.00	0.00	0.35	86.75
3	0.00	0.00	0.00	0.00	0.36	131.02	3	0.00	0.00	0.00	0.00	0.43	155.65	3	0.00	0.00	0.00	0.00	0.24	86.51
4	0.00	0.00	0.00	0.00	0.42	130.60	4	0.00	0.00	0.00	0.00	0.50	155.15	4	0.00	0.00	0.00	0.00	0.28	86.23
5	0.00	0.00	0.00	0.00	0.59	130.01	5	0.00	0.00	0.00	0.00	0.70	154.45	5	0.00	0.00	0.00	0.00	0.39	85.84
6	0.00	0.00	0.00	0.00	0.59	129.42	6	0.00	0.00	0.00	0.00	0.70	153.75	6	0.00	0.00	0.00	0.00	0.39	85.45
7	0.00	0.00	0.00	0.00	0.58	128.84	7	0.00	0.00	0.00	0.00	0.68	153.07	7	0.00	0.00	0.00	0.00	0.38	85.07
8	0.00	0.00	0.00	0.00	0.37	128.47	8	0.00	0.00	0.00	0.00	0.44	152.63	8	0.00	0.00	0.00	0.00	0.24	84.83
9	0.00	0.00	0.00	0.00	0.43	128.04	9	0.00	0.00	0.00	0.00	0.51	152.12	9	0.00	0.00	0.00	0.00	0.28	84.55
10	0.00	0.00	0.00	0.00	0.41	127.63	10	0.00	0.00	0.00	0.00	0.49	151.63	10	0.00	0.00	0.00	0.00	0.27	84.28
11	0.00	0.00	0.00	0.00	0.46	127.17	11	0.00	0.00	0.00	0.00	0.55	151.08	11	0.00	0.00	0.00	0.00	0.31	83.97
12	0.00	0.00	0.00	0.00	0.51	126.66	12	0.00	0.00	0.00	0.00	0.60	150.48	12	0.00	0.00	0.00	0.00	0.33	83.64
13	0.00	0.00	0.00	0.00	0.51	126.15	13	0.00	0.00	0.00	0.00	0.60	149.88	13	0.00	0.00	0.00	0.00	0.33	83.31
14	0.00	0.00	0.00	0.00	0.49	125.66	14	0.00	0.00	0.00	0.00	0.59	149.29	14	0.00	0.00	0.00	0.00	0.33	82.98
15	0.00	0.00	0.00	0.00	0.36	125.30	15	0.00	0.00	0.00	0.00	0.42	148.87	15	0.00	0.00	0.00	0.00	0.24	82.74
16	0.00	0.00	0.00	0.00	0.36	124.94	16	0.00	0.00	0.00	0.00	0.42	148.45	16	0.00	0.00	0.00	0.00	0.24	82.50
17	0.00	0.00	0.00	0.00	0.21	124.73	17	0.00	0.00	0.00	0.00	0.25	148.20	17	0.00	0.00	0.00	0.00	0.14	82.36
18	0.00	0.00	0.00	0.00	0.32	124.41	18	0.00	0.00	0.00	0.00	0.38	147.82	18	0.00	0.00	0.00	0.00	0.21	82.15
19	0.00	0.00	0.00	0.00	0.30	124.11	19	0.00	0.00	0.00	0.00	0.35	147.47	19	0.00	0.00	0.00	0.00	0.20	81.95
20	0.00	0.00	0.00	0.00	0.29	123.82	20	0.00	0.00	0.00	0.00	0.35	147.12	20	0.00	0.00	0.00	0.00	0.19	81.76
21	0.00	0.00	0.00	0.00	0.30	123.52	21	0.00	0.00	0.00	0.00	0.36	146.76	21	7.10	0.00	0.35	0.00	0.20	88.31
22	0.00	0.00	0.00	0.00	0.32	123.20	22	0.00	0.00	0.00	0.00	0.38	146.38	22	7.10	0.00	0.35	0.00	0.23	94.83
23	0.00	0.00	0.00	0.00	0.27	122.93	23	0.00	0.00	0.00	0.00	0.32	146.06	23	7.10	0.00	0.35	0.00	0.21	101.37
24	0.00	0.00	0.00	0.00	0.40	122.53	24	0.00	0.00	0.00	0.00	0.48	145.58	24	7.10	0.00	0.35	0.00	0.33	107.79
25	0.00	0.00	0.00	0.00	0.44	122.09	25	0.00	0.00	0.00	0.00	0.52	145.06	25	7.10	0.00	0.35	0.00	0.39	114.15
26	0.00	0.00	0.00	0.00	0.49	121.60	26	0.00	0.00	0.00	0.00	0.58	144.48	26	7.10	0.00	0.35	0.00	0.46	120.44
27	0.00	0.00	0.00	0.00	0.49	121.11	27	0.00	0.00	0.00	0.00	0.58	143.90	27	7.10	0.00	0.35	0.00	0.49	126.70
28	0.00	0.00	0.00	0.00	0.49	120.62	28	0.00	0.00	0.00	0.00	0.58	143.32	28	7.10	0.00	0.35	0.00	0.51	132.94
29	0.00	0.00	0.00	0.00	0.35	120.27	29	0.00	0.00	0.00	0.00									

Section 4



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

February 10, 2022

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 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 November, 2021.

Table 1 shows the amount of pumping during the month of November 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 November 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 6.69 acre-feet of Highland Canal shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in November 2021 totaled 6.69 acre-feet.

As of November 30, 2021, a total of 2,218.38 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
November 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	41.85	17.27
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0.05	0.03
4	COLLIER	0	0
5	COLORADO	78.89	42.79
6	ROCKY FORD HIGHLINE	24.43	11.39
7	OXFORD	3.22	2.44
8	OTERO	21.31	7.68
9	CATLIN	66.58	27.27
10	FORT LYON US	71.51	37.9
11	ROCKY FORD	0.45	0.23
12	HOLBROOK	0.15	0.05
13	LAS ANIMAS CONSOLIDATED	33.74	12.21
14	BALDWIN-STUBBS	120.74	77.24
15	FORT BENT	0	0
17	AMITY	75.83	30.41
18	LAMAR/MANVEL	40.91	19.64
19	HYDE	14.96	5.39
20	FORT LYON DS	132.15	56.91
21	XY GRAHAM	9.67	4.84
22	BUFFALO	0.16	0.06
24	STATELINE SOLE SOURCE	16.01	10.13
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	752.61	363.88

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
November 2021

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	30.41	19.64	5.39	47.08	0.00	0.06	0.00	10.13	112.71

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
November 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	19.70	38.60	147.79	111.82	49.36	93.85	205.06	736.76	35.27	1438.21	
Depletion to Usable SL Flow	6.88	13.47	51.58	39.03	17.23	32.75	71.57	257.13	12.31	501.94	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	7.03	0.00	0.00	0.00					7.03	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				0.00	0
Manvel Direct Flow	0				0					0.00	0
Offset Account Release Credit	1402.26								467.47	467.47	549.50
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								474.50	0
Total Replacements	0	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	467.47	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 385.29 acre-feet of SWSP and Decreed Augmentation Plan depletions were transferred to the state line.

Enclosure 1

John Martin Offset Accounting for November 2021

Offset Account

November 2021

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2257.14							644.71							0.00
1	6.69	0.00	0.00	0.00	1.63	2262.20	1	0.00	0.00	0.00	0.00	0.46	644.25	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.61	2260.59	2	0.00	0.00	0.00	0.00	0.46	643.79	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.61	2258.98	3	0.00	0.00	0.00	0.00	0.46	643.33	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.59	2257.39	4	0.00	0.00	0.00	0.00	0.45	642.88	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.58	2255.81	5	0.00	0.00	0.00	0.00	0.45	642.43	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.58	2254.23	6	0.00	0.00	0.00	0.00	0.45	641.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.58	2252.65	7	0.00	0.00	0.00	0.00	0.45	641.53	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.57	2251.08	8	0.00	0.00	0.00	0.00	0.45	641.08	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.57	2249.51	9	0.00	0.00	0.00	0.00	0.45	640.63	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.56	2247.95	10	0.00	0.00	0.00	0.00	0.44	640.19	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.55	2246.40	11	0.00	0.00	0.00	0.00	0.44	639.75	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.55	2244.85	12	0.00	0.00	0.00	0.00	0.44	639.31	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.55	2243.30	13	0.00	0.00	0.00	0.00	0.44	638.87	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.53	2241.77	14	0.00	0.00	0.00	0.00	0.43	638.44	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.53	2240.24	15	0.00	0.00	0.00	0.00	0.43	638.01	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.53	2238.71	16	0.00	0.00	0.00	0.00	0.43	637.58	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.52	2237.19	17	0.00	0.00	0.00	0.00	0.43	637.15	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.51	2235.68	18	0.00	0.00	0.00	0.00	0.43	636.72	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.50	2234.18	19	0.00	0.00	0.00	0.00	0.43	636.29	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.48	2232.70	20	0.00	0.00	0.00	0.00	0.42	635.87	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.47	2231.23	21	0.00	0.00	0.00	0.00	0.42	635.45	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.45	2229.78	22	0.00	0.00	0.00	0.00	0.41	635.04	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.45	2228.33	23	0.00	0.00	0.00	0.00	0.41	634.63	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.44	2226.89	24	0.00	0.00	0.00	0.00	0.41	634.22	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.44	2225.45	25	0.00	0.00	0.00	0.00	0.41	633.81	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.42	2224.03	26	0.00	0.00	0.00	0.00	0.40	633.41	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.42	2222.61	27	0.00	0.00	0.00	0.00	0.40	633.01	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.41	2221.20	28	0.00	0.00	0.00	0.00	0.40	632.61	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.41	2219.79	29	0.00	0.00	0.00	0.00	0.40	632.21	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.41	2218.38	30	0.00	0.00	0.00	0.00	0.40	631.81	30	0.00	0.00	0.00	0.00	0.00	0.00
	6.69	0.00	0.00	0.00	45.45			0.00	0.00	0.00	0.00	12.90			0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2052.57							1415.52							0.00
1	6.69	0.00	0.00	0.00	1.48	2057.78	1	6.69	0.00	0.00	0.00	1.02	1421.19	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.47	2056.31	2	0.00	0.00	0.00	0.00	1.01	1420.18	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.47	2054.84	3	0.00	0.00	0.00	0.00	1.01	1419.17	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.45	2053.39	4	0.00	0.00	0.00	0.00	1.00	1418.17	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.44	2051.95	5	0.00	0.00	0.00	0.00	0.99	1417.18	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.44	2050.51	6	0.00	0.00	0.00	0.00	0.99	1416.19	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.44	2049.07	7	0.00	0.00	0.00	0.00	0.99	1415.20	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.43	2047.64	8	0.00	0.00	0.00	0.00	0.98	1414.22	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.43	2046.21	9	0.00	0.00	0.00	0.00	0.98	1413.24	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.42	2044.79	10	0.00	0.00	0.00	0.00	0.98	1412.26	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.41	2043.38	11	0.00	0.00	0.00	0.00	0.97	1411.29	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.41	2041.97	12	0.00	0.00	0.00	0.00	0.97	1410.32	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.41	2040.56	13	0.00	0.00	0.00	0.00	0.97	1409.35	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.39	2039.17	14	0.00	0.00	0.00	0.00	0.96	1408.39	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.39	2037.78	15	0.00	0.00	0.00	0.00	0.96	1407.43	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.39	2036.39	16	0.00	0.00	0.00	0.00	0.96	1406.47	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.38	2035.01	17	0.00	0.00	0.00	0.00	0.95	1405.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.38	2033.63	18	0.00	0.00	0.00	0.00	0.95	1404.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.37	2032.26	19	0.00	0.00	0.00	0.00	0.94	1403.63	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.35	2030.91	20	0.00	0.00	0.00	0.00	0.93	1402.70	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.34	2029.57	21	0.00	0.00	0.00	0.00	0.92	1401.78	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.32	2028.25	22	0.00	0.00	0.00	0.00	0.91	1400.87	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.32	2026.93	23	0.00	0.00	0.00	0.00	0.91	1399.96	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.31	2025.62	24	0.00	0.00	0.00	0.00	0.90	1399.06	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.31	2024.31	25	0.00	0.00	0.00	0.00	0.90	1398.16	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.29	2023.02	26	0.00	0.00	0.00	0.00	0.89	1397.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.29	2021.73	27	0.00	0.00	0.00	0.00	0.89	1396.38	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.28	2020.45	28	0.00	0.00	0.00	0.00	0.88	1395.50	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.28	2019.17	29	0.00	0.00	0.00	0.00	0.88	1394.62	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.28	2017.89	30	0.00	0.00	0.										

Offset Account

November 2021

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						204.57							17.36							419.61
1	0.00	0.00	0.00	0.00	0.15	204.42	1	0.00	0.00	0.00	0.00	0.01	17.35	1	0.00	0.00	0.00	0.00	0.30	419.31
2	0.00	0.00	0.00	0.00	0.14	204.28	2	0.00	0.00	0.00	0.00	0.01	17.34	2	0.00	0.00	0.00	0.00	0.30	419.01
3	0.00	0.00	0.00	0.00	0.14	204.14	3	0.00	0.00	0.00	0.00	0.01	17.33	3	0.00	0.00	0.00	0.00	0.30	418.71
4	0.00	0.00	0.00	0.00	0.14	204.00	4	0.00	0.00	0.00	0.00	0.01	17.32	4	0.00	0.00	0.00	0.00	0.29	418.42
5	0.00	0.00	0.00	0.00	0.14	203.86	5	0.00	0.00	0.00	0.00	0.01	17.31	5	0.00	0.00	0.00	0.00	0.29	418.13
6	0.00	0.00	0.00	0.00	0.14	203.72	6	0.00	0.00	0.00	0.00	0.01	17.30	6	0.00	0.00	0.00	0.00	0.29	417.84
7	0.00	0.00	0.00	0.00	0.14	203.58	7	0.00	0.00	0.00	0.00	0.01	17.29	7	0.00	0.00	0.00	0.00	0.29	417.55
8	0.00	0.00	0.00	0.00	0.14	203.44	8	0.00	0.00	0.00	0.00	0.01	17.28	8	0.00	0.00	0.00	0.00	0.29	417.26
9	0.00	0.00	0.00	0.00	0.14	203.30	9	0.00	0.00	0.00	0.00	0.01	17.27	9	0.00	0.00	0.00	0.00	0.29	416.97
10	0.00	0.00	0.00	0.00	0.14	203.16	10	0.00	0.00	0.00	0.00	0.01	17.26	10	0.00	0.00	0.00	0.00	0.29	416.68
11	0.00	0.00	0.00	0.00	0.14	203.02	11	0.00	0.00	0.00	0.00	0.01	17.25	11	0.00	0.00	0.00	0.00	0.29	416.39
12	0.00	0.00	0.00	0.00	0.14	202.88	12	0.00	0.00	0.00	0.00	0.01	17.24	12	0.00	0.00	0.00	0.00	0.29	416.10
13	0.00	0.00	0.00	0.00	0.14	202.74	13	0.00	0.00	0.00	0.00	0.01	17.23	13	0.00	0.00	0.00	0.00	0.29	415.81
14	0.00	0.00	0.00	0.00	0.14	202.60	14	0.00	0.00	0.00	0.00	0.01	17.22	14	0.00	0.00	0.00	0.00	0.28	415.53
15	0.00	0.00	0.00	0.00	0.14	202.46	15	0.00	0.00	0.00	0.00	0.01	17.21	15	0.00	0.00	0.00	0.00	0.28	415.25
16	0.00	0.00	0.00	0.00	0.14	202.32	16	0.00	0.00	0.00	0.00	0.01	17.20	16	0.00	0.00	0.00	0.00	0.28	414.97
17	0.00	0.00	0.00	0.00	0.14	202.18	17	0.00	0.00	0.00	0.00	0.01	17.19	17	0.00	0.00	0.00	0.00	0.28	414.69
18	0.00	0.00	0.00	0.00	0.13	202.05	18	0.00	0.00	0.00	0.00	0.01	17.18	18	0.00	0.00	0.00	0.00	0.28	414.41
19	0.00	0.00	0.00	0.00	0.13	201.92	19	0.00	0.00	0.00	0.00	0.01	17.17	19	0.00	0.00	0.00	0.00	0.28	414.13
20	0.00	0.00	0.00	0.00	0.13	201.79	20	0.00	0.00	0.00	0.00	0.01	17.16	20	0.00	0.00	0.00	0.00	0.27	413.86
21	0.00	0.00	0.00	0.00	0.13	201.66	21	0.00	0.00	0.00	0.00	0.01	17.15	21	0.00	0.00	0.00	0.00	0.27	413.59
22	0.00	0.00	0.00	0.00	0.13	201.53	22	0.00	0.00	0.00	0.00	0.01	17.14	22	0.00	0.00	0.00	0.00	0.27	413.32
23	0.00	0.00	0.00	0.00	0.13	201.40	23	0.00	0.00	0.00	0.00	0.01	17.13	23	0.00	0.00	0.00	0.00	0.27	413.05
24	0.00	0.00	0.00	0.00	0.13	201.27	24	0.00	0.00	0.00	0.00	0.01	17.12	24	0.00	0.00	0.00	0.00	0.27	412.78
25	0.00	0.00	0.00	0.00	0.13	201.14	25	0.00	0.00	0.00	0.00	0.01	17.11	25	0.00	0.00	0.00	0.00	0.27	412.51
26	0.00	0.00	0.00	0.00	0.13	201.01	26	0.00	0.00	0.00	0.00	0.01	17.10	26	0.00	0.00	0.00	0.00	0.26	412.25
27	0.00	0.00	0.00	0.00	0.13	200.88	27	0.00	0.00	0.00	0.00	0.01	17.09	27	0.00	0.00	0.00	0.00	0.26	411.99
28	0.00	0.00	0.00	0.00	0.13	200.75	28	0.00	0.00	0.00	0.00	0.01	17.08	28	0.00	0.00	0.00	0.00	0.26	411.73
29	0.00	0.00	0.00	0.00	0.13	200.62	29	0.00	0.00	0.00	0.00	0.01	17.07	29	0.00	0.00	0.00	0.00	0.26	411.47
30	0.00	0.00	0.00	0.00	0.13	200.49	30	0.00	0.00	0.00	0.00	0.01	17.06	30	0.00	0.00	0.00	0.00	0.26	411.21
	0.00	0.00	0.00	0.00	4.08			0.00	0.00	0.00	0.00	0.30		0.00	0.00	0.00	0.00	8.40		
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						187.21							225.10							0.00
1	0.00	0.00	0.00	0.00	0.14	187.07	1	0.00	0.00	0.00	0.00	0.16	224.94	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.13	186.94	2	0.00	0.00	0.00	0.00	0.16	224.78	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.13	186.81	3	0.00	0.00	0.00	0.00	0.16	224.62	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.13	186.68	4	0.00	0.00	0.00	0.00	0.16	224.46	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.13	186.55	5	0.00	0.00	0.00	0.00	0.16	224.30	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.13	186.42	6	0.00	0.00	0.00	0.00	0.16	224.14	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.13	186.29	7	0.00	0.00	0.00	0.00	0.16	223.98	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.13	186.16	8	0.00	0.00	0.00	0.00	0.16	223.82	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.13	186.03	9	0.00	0.00	0.00	0.00	0.16	223.66	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.13	185.90	10	0.00	0.00	0.00	0.00	0.15	223.51	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.13	185.77	11	0.00	0.00	0.00	0.00	0.15	223.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.13	185.64	12	0.00	0.00	0.00	0.00	0.15	223.21	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.13	185.51	13	0.00	0.00	0.00	0.00	0.15	223.06	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.13	185.38	14	0.00	0.00	0.00	0.00	0.15	222.91	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.13	185.25	15	0.00	0.00	0.00	0.00	0.15	222.76	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.13	185.12	16	0.00	0.00	0.00	0.00	0.15	222.61	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.13	184.99	17	0.00	0.00	0.00	0.00	0.15	222.46	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.12	184.87	18	0.00	0.00	0.00	0.00	0.15	222.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.12	184.75	19	0.00	0.00	0.00	0.00	0.15	222.16	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.12	184.63	20	0.00	0.00	0.00	0.00	0.15	222.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.12	184.51	21	0.00	0.00	0.00	0.00	0.15	221.86	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.12	184.39	22	0.00	0.00	0.00	0.00	0.14	221.72	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.12	184.27	23	0.00	0.00	0.00	0.00	0.14	221.58	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.12	184.15	24	0.00	0.00	0.00	0.00	0.14	221.44	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.12	184.03	25	0.00	0.00	0.00	0.00	0.14	221.30	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.12	183.91	26	0.00	0.00	0.00	0.00	0.14	221.16	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.12	183.79	27	0.00	0.00	0.00	0.00	0.14	221.02	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.12	183.67	28	0.00	0.00	0.00	0.00	0.14	220.88	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.12	183.55	29	0.00	0.00	0.00	0.00	0.14	220.74	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.12	183.43	30	0.00	0.00	0.00	0.00	0.14	220.60	30	0.00	0.00	0.00</			



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

February 10, 2022

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 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 December, 2021.

Table 1 shows the amount of pumping during the month of December 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 December 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 December 2021.

On December 5, 2021, Arkansas Groundwater and Reservoir Association (AGRA) transferred 1.13 acre-feet out of the AGRA Upstream Consumable subaccount and into the Catlin Augmentation Association (CAA) Upstream Consumable subaccount. On that same day, CAA transferred 1.13 acre-feet on December 5, 2021 out of the CAA Upstream Consumable subaccount to replace depletions to conservation storage caused by well pumping. On December 22, 2021, AGRA transferred 8.7 acre-feet out of the AGRA Upstream Consumable subaccount to replace depletions to conservation storage caused by winter return flow obligations as prescribed in Case No. 12CW94. AGRA transferred 343.57 acre-feet out of the AGRA Upstream Consumable subaccount to replace depletions to conservation storage on December 30, 2021. The total transferred out of the Offset Account in December 2021 was 353.40 acre-feet.

As of December 31, 2021, a total of 1,829.69 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
December 2021

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	16.47	6.29
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0.05	0.03
4	COLLIER	0	0
5	COLORADO	34.94	17.47
6	ROCKY FORD HIGHLINE	36.71	17.8
7	OXFORD	0.07	0.03
8	OTERO	0	0
9	CATLIN	5.8	2.09
10	FORT LYON US	65.47	41.19
11	ROCKY FORD	0.49	0.24
12	HOLBROOK	0.14	0.05
13	LAS ANIMAS CONSOLIDATED	0.41	0.15
14	BALDWIN-STUBBS	9.62	6.42
15	FORT BENT	2.31	0.83
17	AMITY	29.67	21.31
18	LAMAR/MANVEL	0	0
19	HYDE	0	0
20	FORT LYON DS	67.28	42.5
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	269.59	156.46

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
December 2021

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.83	0.00	21.31	0.00	0.00	30.68	0.00	0.06	0.00	0.00	52.88

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
December 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	17.77	34.53	127.76	99.57	44.59	82.36	178.83	584.82	35.59	1205.82	
Depletion to Usable SL Flow	6.20	12.05	44.59	34.75	15.56	28.74	62.41	204.10	12.42	420.83	
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				0.00	0
Manvel Direct Flow	0				0					0.00	0
Offset Account Release Credit	549.50								396.39	396.39	-182.86
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	396.39	396.39
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: 335.97 acre-feet of SWSP and Decreed Augmentation Plan depletions were transferred to the state line.

Enclosure 1

John Martin Offset Accounting for December 2021

Offset Account

December 2021

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2218.38							631.81							0.00
1	0.00	0.00	0.00	0.00	1.39	2216.99	1	0.00	0.00	0.00	0.00	0.40	631.41	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.37	2215.62	2	0.00	0.00	0.00	0.00	0.39	631.02	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.22	2214.40	3	0.00	0.00	0.00	0.00	0.35	630.67	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.21	2213.19	4	0.00	0.00	0.00	0.00	0.34	630.33	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	1.13	2.26	0.00	1.20	2210.86	5	0.00	1.13	2.26	0.00	0.34	628.86	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.20	2209.66	6	0.00	0.00	0.00	0.00	0.34	628.52	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.20	2208.46	7	0.00	0.00	0.00	0.00	0.34	628.18	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.19	2207.27	8	0.00	0.00	0.00	0.00	0.34	627.84	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.19	2206.08	9	0.00	0.00	0.00	0.00	0.34	627.50	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.19	2204.89	10	0.00	0.00	0.00	0.00	0.34	627.16	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.17	2203.72	11	0.00	0.00	0.00	0.00	0.33	626.83	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.16	2202.56	12	0.00	0.00	0.00	0.00	0.32	626.51	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.14	2201.42	13	0.00	0.00	0.00	0.00	0.32	626.19	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.14	2200.28	14	0.00	0.00	0.00	0.00	0.32	625.87	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.13	2199.15	15	0.00	0.00	0.00	0.00	0.32	625.55	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.13	2198.02	16	0.00	0.00	0.00	0.00	0.32	625.23	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.13	2196.89	17	0.00	0.00	0.00	0.00	0.32	624.91	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.12	2195.77	18	0.00	0.00	0.00	0.00	0.32	624.59	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.12	2194.65	19	0.00	0.00	0.00	0.00	0.32	624.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.10	2193.55	20	0.00	0.00	0.00	0.00	0.31	623.96	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.10	2192.45	21	0.00	0.00	0.00	0.00	0.31	623.65	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	8.70	0.00	1.10	2182.65	22	0.00	0.00	8.70	0.00	0.31	614.64	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.09	2181.56	23	0.00	0.00	0.00	0.00	0.31	614.33	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.08	2180.48	24	0.00	0.00	0.00	0.00	0.30	614.03	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.07	2179.41	25	0.00	0.00	0.00	0.00	0.30	613.73	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.07	2178.34	26	0.00	0.00	0.00	0.00	0.30	613.43	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.07	2177.27	27	0.00	0.00	0.00	0.00	0.30	613.13	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.05	2176.22	28	0.00	0.00	0.00	0.00	0.29	612.84	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.05	2175.17	29	0.00	0.00	0.00	0.00	0.29	612.55	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	343.57	0.00	1.04	1830.56	30	0.00	0.00	343.57	0.00	0.29	268.69	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.87	1829.69	31	0.00	0.00	0.00	0.00	0.12	268.57	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	1.13	354.53	0.00	35.29			0.00	1.13	354.53	0.00	9.84			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2017.89							1393.74							0.00
1	0.00	0.00	0.00	0.00	1.27	2016.62	1	0.00	0.00	0.00	0.00	0.87	1392.87	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.25	2015.37	2	0.00	0.00	0.00	0.00	0.86	1392.01	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.11	2014.26	3	0.00	0.00	0.00	0.00	0.76	1391.25	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.10	2013.16	4	0.00	0.00	0.00	0.00	0.76	1390.49	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	1.13	2.26	0.00	1.09	2010.94	5	0.00	0.00	0.00	0.00	0.75	1389.74	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.09	2009.85	6	0.00	0.00	0.00	0.00	0.75	1388.99	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.09	2008.76	7	0.00	0.00	0.00	0.00	0.75	1388.24	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.08	2007.68	8	0.00	0.00	0.00	0.00	0.74	1387.50	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.08	2006.60	9	0.00	0.00	0.00	0.00	0.74	1386.76	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.08	2005.52	10	0.00	0.00	0.00	0.00	0.74	1386.02	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.06	2004.46	11	0.00	0.00	0.00	0.00	0.73	1385.29	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.05	2003.41	12	0.00	0.00	0.00	0.00	0.73	1384.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.04	2002.37	13	0.00	0.00	0.00	0.00	0.72	1383.84	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.04	2001.33	14	0.00	0.00	0.00	0.00	0.72	1383.12	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.03	2000.30	15	0.00	0.00	0.00	0.00	0.71	1382.41	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.03	1999.27	16	0.00	0.00	0.00	0.00	0.71	1381.70	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.03	1998.24	17	0.00	0.00	0.00	0.00	0.71	1380.99	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.02	1997.22	18	0.00	0.00	0.00	0.00	0.70	1380.29	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.02	1996.20	19	0.00	0.00	0.00	0.00	0.70	1379.59	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.00	1995.20	20	0.00	0.00	0.00	0.00	0.69	1378.90	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.00	1994.20	21	0.00	0.00	0.00	0.00	0.69	1378.21	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	8.70	0.00	1.00	1984.50	22	0.00	0.00	0.00	0.00	0.69	1377.52	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.99	1983.51	23	0.00	0.00	0.00	0.00	0.68	1376.84	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.98	1982.53	24	0.00	0.00	0.00	0.00	0.68	1376.16	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.97	1981.56	25	0.00	0.00	0.00	0.00	0.67	1375.49	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.97	1980.59	26	0.00	0.00	0.00	0.00	0.67	1374.82	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.97	1979.62	27	0.00	0.00	0.00	0.00	0.67	1374.15	27	0					

Offset Account

December 2021

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						200.49							17.06							411.21
1	0.00	0.00	0.00	0.00	0.12	200.37	1	0.00	0.00	0.00	0.00	0.01	17.05	1	0.00	0.00	0.00	0.00	0.26	410.95
2	0.00	0.00	0.00	0.00	0.12	200.25	2	0.00	0.00	0.00	0.00	0.01	17.04	2	0.00	0.00	0.00	0.00	0.25	410.70
3	0.00	0.00	0.00	0.00	0.11	200.14	3	0.00	0.00	0.00	0.00	0.01	17.03	3	0.00	0.00	0.00	0.00	0.23	410.47
4	0.00	0.00	0.00	0.00	0.11	200.03	4	0.00	0.00	0.00	0.00	0.01	17.02	4	0.00	0.00	0.00	0.00	0.22	410.25
5	0.00	0.00	0.00	0.00	0.11	199.92	5	0.00	0.00	0.00	0.00	0.01	17.01	5	0.00	0.00	1.13	0.00	0.22	408.90
6	0.00	0.00	0.00	0.00	0.11	199.81	6	0.00	0.00	0.00	0.00	0.01	17.00	6	0.00	0.00	0.00	0.00	0.22	408.68
7	0.00	0.00	0.00	0.00	0.11	199.70	7	0.00	0.00	0.00	0.00	0.01	16.99	7	0.00	0.00	0.00	0.00	0.22	408.46
8	0.00	0.00	0.00	0.00	0.11	199.59	8	0.00	0.00	0.00	0.00	0.01	16.98	8	0.00	0.00	0.00	0.00	0.22	408.24
9	0.00	0.00	0.00	0.00	0.11	199.48	9	0.00	0.00	0.00	0.00	0.01	16.97	9	0.00	0.00	0.00	0.00	0.22	408.02
10	0.00	0.00	0.00	0.00	0.11	199.37	10	0.00	0.00	0.00	0.00	0.01	16.96	10	0.00	0.00	0.00	0.00	0.22	407.80
11	0.00	0.00	0.00	0.00	0.11	199.26	11	0.00	0.00	0.00	0.00	0.01	16.95	11	0.00	0.00	0.00	0.00	0.21	407.59
12	0.00	0.00	0.00	0.00	0.11	199.15	12	0.00	0.00	0.00	0.00	0.01	16.94	12	0.00	0.00	0.00	0.00	0.21	407.38
13	0.00	0.00	0.00	0.00	0.10	199.05	13	0.00	0.00	0.00	0.00	0.01	16.93	13	0.00	0.00	0.00	0.00	0.21	407.17
14	0.00	0.00	0.00	0.00	0.10	198.95	14	0.00	0.00	0.00	0.00	0.01	16.92	14	0.00	0.00	0.00	0.00	0.21	406.96
15	0.00	0.00	0.00	0.00	0.10	198.85	15	0.00	0.00	0.00	0.00	0.01	16.91	15	0.00	0.00	0.00	0.00	0.21	406.75
16	0.00	0.00	0.00	0.00	0.10	198.75	16	0.00	0.00	0.00	0.00	0.01	16.90	16	0.00	0.00	0.00	0.00	0.21	406.54
17	0.00	0.00	0.00	0.00	0.10	198.65	17	0.00	0.00	0.00	0.00	0.01	16.89	17	0.00	0.00	0.00	0.00	0.21	406.33
18	0.00	0.00	0.00	0.00	0.10	198.55	18	0.00	0.00	0.00	0.00	0.01	16.88	18	0.00	0.00	0.00	0.00	0.21	406.12
19	0.00	0.00	0.00	0.00	0.10	198.45	19	0.00	0.00	0.00	0.00	0.01	16.87	19	0.00	0.00	0.00	0.00	0.21	405.91
20	0.00	0.00	0.00	0.00	0.10	198.35	20	0.00	0.00	0.00	0.00	0.01	16.86	20	0.00	0.00	0.00	0.00	0.20	405.71
21	0.00	0.00	0.00	0.00	0.10	198.25	21	0.00	0.00	0.00	0.00	0.01	16.85	21	0.00	0.00	0.00	0.00	0.20	405.51
22	0.00	0.00	0.00	0.00	0.10	198.15	22	0.00	0.00	0.00	0.00	0.01	16.84	22	0.00	0.00	8.70	0.00	0.20	396.61
23	0.00	0.00	0.00	0.00	0.10	198.05	23	0.00	0.00	0.00	0.00	0.01	16.83	23	0.00	0.00	0.00	0.00	0.20	396.41
24	0.00	0.00	0.00	0.00	0.10	197.95	24	0.00	0.00	0.00	0.00	0.01	16.82	24	0.00	0.00	0.00	0.00	0.19	396.22
25	0.00	0.00	0.00	0.00	0.10	197.85	25	0.00	0.00	0.00	0.00	0.01	16.81	25	0.00	0.00	0.00	0.00	0.19	396.03
26	0.00	0.00	0.00	0.00	0.10	197.75	26	0.00	0.00	0.00	0.00	0.01	16.80	26	0.00	0.00	0.00	0.00	0.19	395.84
27	0.00	0.00	0.00	0.00	0.10	197.65	27	0.00	0.00	0.00	0.00	0.01	16.79	27	0.00	0.00	0.00	0.00	0.19	395.65
28	0.00	0.00	0.00	0.00	0.10	197.55	28	0.00	0.00	0.00	0.00	0.01	16.78	28	0.00	0.00	0.00	0.00	0.19	395.46
29	0.00	0.00	0.00	0.00	0.10	197.45	29	0.00	0.00	0.00	0.00	0.01	16.77	29	0.00	0.00	0.00	0.00	0.19	395.27
30	0.00	0.00	0.00	0.00	0.10	197.35	30	0.00	0.00	0.00	0.00	0.01	16.76	30	0.00	0.00	343.57	0.00	0.19	51.51
31	0.00	0.00	0.00	0.00	0.10	197.25	31	0.00	0.00	0.00	0.00	0.01	16.75	31	0.00	0.00	0.00	0.00	0.02	51.49
	0.00	0.00	0.00	0.00	3.24			0.00	0.00	0.00	0.00	0.31		0.00	0.00	353.40	0.00	6.32		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						183.43							220.60							0.00
1	0.00	0.00	0.00	0.00	0.11	183.32	1	0.00	0.00	0.00	0.00	0.14	220.46	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.11	183.21	2	0.00	0.00	0.00	0.00	0.14	220.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.10	183.11	3	0.00	0.00	0.00	0.00	0.12	220.20	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.10	183.01	4	0.00	0.00	0.00	0.00	0.12	220.08	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.10	182.91	5	0.00	0.00	0.00	0.00	0.12	219.96	5	0.00	1.13	1.13	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.10	182.81	6	0.00	0.00	0.00	0.00	0.12	219.84	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.10	182.71	7	0.00	0.00	0.00	0.00	0.12	219.72	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.10	182.61	8	0.00	0.00	0.00	0.00	0.12	219.60	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.10	182.51	9	0.00	0.00	0.00	0.00	0.12	219.48	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.10	182.41	10	0.00	0.00	0.00	0.00	0.12	219.36	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.10	182.31	11	0.00	0.00	0.00	0.00	0.12	219.24	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.10	182.21	12	0.00	0.00	0.00	0.00	0.11	219.13	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.09	182.12	13	0.00	0.00	0.00	0.00	0.11	219.02	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.09	182.03	14	0.00	0.00	0.00	0.00	0.11	218.91	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.09	181.94	15	0.00	0.00	0.00	0.00	0.11	218.80	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.09	181.85	16	0.00	0.00	0.00	0.00	0.11	218.69	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.09	181.76	17	0.00	0.00	0.00	0.00	0.11	218.58	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.09	181.67	18	0.00	0.00	0.00	0.00	0.11	218.47	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.09	181.58	19	0.00	0.00	0.00	0.00	0.11	218.36	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.09	181.49	20	0.00	0.00	0.00	0.00	0.11	218.25	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.09	181.40	21	0.00	0.00	0.00	0.00	0.11	218.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.09	181.31	22	0.00	0.00	0.00	0.00	0.11	218.03	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.09	181.22	23	0.00	0.00	0.00	0.00	0.11	217.92	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.09	181.13	24	0.00	0.00	0.00	0.00	0.11	217.81	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.09	181.04	25	0.00	0.00	0.00	0.00	0.11	217.70	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	180.95	26	0.00	0.00	0.00	0.00	0.11	217.59	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.09	180.86	27	0.00	0.00	0.00	0.00	0.11	217.48	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.09	180.77	28	0.00	0.00	0.00	0.00	0.10	217.38	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.09	180.68	29	0.00	0.00	0.00										



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 11, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of January 2022 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 in January 2022.



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 January 2022.

On January 28, 2022, Arkansas Groundwater and Reservoir Association (AGRA) transferred 16.45 acre-feet out of the AGRA Upstream Consumable subaccount and into the Catlin Augmentation Association (CAA) Upstream Consumable subaccount. On the following day, CAA transferred 16.45 acre-feet out of the CAA Upstream Consumable subaccount to replace depletions to conservation storage caused by winter return flow obligations as prescribed in Case No. 12CW94. The total transferred out of the Offset Account in January 2022 was 16.45 acre-feet.

There were unreplaced depletions at the stateline totaling 671.84 acre-feet after balancing the January accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas pursuant to Paragraph 5 of the Resolution.

As of January 31, 2022, a total of 1,801.78 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of January 2022 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
January 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	2.8	1.1
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0.02	0.01
4	COLLIER	0	0
5	COLORADO	16.76	8.38
6	ROCKY FORD HIGHLINE	0.03	0.01
7	OXFORD	0.06	0.02
8	OTERO	0	0
9	CATLIN	0	0
10	FORT LYON US	0.01	0
11	ROCKY FORD	0.35	0.18
12	HOLBROOK	0.04	0.01
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	0.29	0.16
15	FORT BENT	0	0
17	AMITY	17.47	6.28
18	LAMAR/MANVEL	0.02	0.02
19	HYDE	0	0
20	FORT LYON DS	6.28	2.48
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	44.29	18.71

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
January 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	6.28	0.02	0.00	2.02	0.00	0.06	0.00	0.00	8.38

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
January 2022

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	16.44	31.74	115.26	91.07	40.78	73.56	162.52	571.47	32.28	1135.12	
Depletion to Usable SL Flow	5.74	11.08	40.23	31.78	14.23	25.67	56.72	199.44	11.27	396.16	
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	0.00									364.88	364.88
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	364.88	364.88
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
*Note: 306.96 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 671.84 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.											

Enclosure 1

John Martin Offset Accounting for January 2022

Offset Account

January 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1829.69							268.57							0.00
1	0.00	0.00	0.00	0.00	0.87	1828.82	1	0.00	0.00	0.00	0.00	0.12	268.45	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.08	1828.74	2	0.00	0.00	0.00	0.00	0.01	268.44	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.08	1828.66	3	0.00	0.00	0.00	0.00	0.01	268.43	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.08	1828.58	4	0.00	0.00	0.00	0.00	0.01	268.42	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.08	1828.50	5	0.00	0.00	0.00	0.00	0.01	268.41	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.04	1828.46	6	0.00	0.00	0.00	0.00	0.01	268.40	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.17	1828.29	7	0.00	0.00	0.00	0.00	0.02	268.38	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.17	1828.12	8	0.00	0.00	0.00	0.00	0.02	268.36	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.17	1827.95	9	0.00	0.00	0.00	0.00	0.02	268.34	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.11	1827.84	10	0.00	0.00	0.00	0.00	0.01	268.33	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.08	1827.76	11	0.00	0.00	0.00	0.00	0.01	268.32	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.08	1827.68	12	0.00	0.00	0.00	0.00	0.01	268.31	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.16	1827.52	13	0.00	0.00	0.00	0.00	0.02	268.29	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.16	1827.36	14	0.00	0.00	0.00	0.00	0.02	268.27	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.24	1827.12	15	0.00	0.00	0.00	0.00	0.04	268.23	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.24	1826.88	16	0.00	0.00	0.00	0.00	0.04	268.19	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.24	1826.64	17	0.00	0.00	0.00	0.00	0.04	268.15	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.32	1826.32	18	0.00	0.00	0.00	0.00	0.05	268.10	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.36	1825.96	19	0.00	0.00	0.00	0.00	0.05	268.05	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.24	1825.72	20	0.00	0.00	0.00	0.00	0.04	268.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.80	1824.92	21	0.00	0.00	0.00	0.00	0.11	267.90	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.80	1824.12	22	0.00	0.00	0.00	0.00	0.11	267.79	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.64	1823.48	23	0.00	0.00	0.00	0.00	0.10	267.69	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.71	1822.77	24	0.00	0.00	0.00	0.00	0.10	267.59	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.42	1822.35	25	0.00	0.00	0.00	0.00	0.06	267.53	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.55	1821.80	26	0.00	0.00	0.00	0.00	0.08	267.45	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.60	1821.20	27	0.00	0.00	0.00	0.00	0.09	267.36	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	16.45	16.45	0.00	0.60	1820.60	28	0.00	16.45	16.45	0.00	0.09	267.27	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	16.45	0.00	0.61	1803.54	29	0.00	0.00	16.45	0.00	0.08	250.74	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	1802.89	30	0.00	0.00	0.00	0.00	0.09	250.65	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	1.11	1801.78	31	0.00	0.00	0.00	0.00	0.15	250.50	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	16.45	32.90	0.00	11.46			0.00	16.45	32.90	0.00	1.62			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1632.44							1371.53							0.00
1	0.00	0.00	0.00	0.00	0.77	1631.67	1	0.00	0.00	0.00	0.00	0.65	1370.88	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.07	1631.60	2	0.00	0.00	0.00	0.00	0.06	1370.82	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.07	1631.53	3	0.00	0.00	0.00	0.00	0.06	1370.76	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.07	1631.46	4	0.00	0.00	0.00	0.00	0.06	1370.70	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.07	1631.39	5	0.00	0.00	0.00	0.00	0.06	1370.64	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.04	1631.35	6	0.00	0.00	0.00	0.00	0.03	1370.61	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.15	1631.20	7	0.00	0.00	0.00	0.00	0.13	1370.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.15	1631.05	8	0.00	0.00	0.00	0.00	0.13	1370.35	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.15	1630.90	9	0.00	0.00	0.00	0.00	0.13	1370.22	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.10	1630.80	10	0.00	0.00	0.00	0.00	0.09	1370.13	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.07	1630.73	11	0.00	0.00	0.00	0.00	0.06	1370.07	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.07	1630.66	12	0.00	0.00	0.00	0.00	0.06	1370.01	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.14	1630.52	13	0.00	0.00	0.00	0.00	0.12	1369.89	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.14	1630.38	14	0.00	0.00	0.00	0.00	0.12	1369.77	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.22	1630.16	15	0.00	0.00	0.00	0.00	0.18	1369.59	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.22	1629.94	16	0.00	0.00	0.00	0.00	0.18	1369.41	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.22	1629.72	17	0.00	0.00	0.00	0.00	0.18	1369.23	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.29	1629.43	18	0.00	0.00	0.00	0.00	0.24	1368.99	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.32	1629.11	19	0.00	0.00	0.00	0.00	0.27	1368.72	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.22	1628.89	20	0.00	0.00	0.00	0.00	0.18	1368.54	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.71	1628.18	21	0.00	0.00	0.00	0.00	0.60	1367.94	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.71	1627.47	22	0.00	0.00	0.00	0.00	0.60	1367.34	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.57	1626.90	23	0.00	0.00	0.00	0.00	0.47	1366.87	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.63	1626.27	24	0.00	0.00	0.00	0.00	0.53	1366.34	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.38	1625.89	25	0.00	0.00	0.00	0.00	0.32	1366.02	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.49	1625.40	26	0.00	0.00	0.00	0.00	0.41	1365.61	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.53	1624.87	27	0.00	0.00	0.00	0.00	0.44	1365.17	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	16.45	16.45	0.00	0.53	1624.34	28	0.00	0.00	0.00	0.00	0.44	1364.73	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	16.45																	

Offset Account

January 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						197.25							16.75							51.49
1	0.00	0.00	0.00	0.00	0.10	197.15	1	0.00	0.00	0.00	0.00	0.01	16.74	1	0.00	0.00	0.00	0.00	0.02	51.47
2	0.00	0.00	0.00	0.00	0.01	197.14	2	0.00	0.00	0.00	0.00	0.00	16.74	2	0.00	0.00	0.00	0.00	0.00	51.47
3	0.00	0.00	0.00	0.00	0.01	197.13	3	0.00	0.00	0.00	0.00	0.00	16.74	3	0.00	0.00	0.00	0.00	0.00	51.47
4	0.00	0.00	0.00	0.00	0.01	197.12	4	0.00	0.00	0.00	0.00	0.00	16.74	4	0.00	0.00	0.00	0.00	0.00	51.47
5	0.00	0.00	0.00	0.00	0.01	197.11	5	0.00	0.00	0.00	0.00	0.00	16.74	5	0.00	0.00	0.00	0.00	0.00	51.47
6	0.00	0.00	0.00	0.00	0.00	197.11	6	0.00	0.00	0.00	0.00	0.00	16.74	6	0.00	0.00	0.00	0.00	0.00	51.47
7	0.00	0.00	0.00	0.00	0.02	197.09	7	0.00	0.00	0.00	0.00	0.00	16.74	7	0.00	0.00	0.00	0.00	0.00	51.47
8	0.00	0.00	0.00	0.00	0.02	197.07	8	0.00	0.00	0.00	0.00	0.00	16.74	8	0.00	0.00	0.00	0.00	0.00	51.47
9	0.00	0.00	0.00	0.00	0.02	197.05	9	0.00	0.00	0.00	0.00	0.00	16.74	9	0.00	0.00	0.00	0.00	0.00	51.47
10	0.00	0.00	0.00	0.00	0.01	197.04	10	0.00	0.00	0.00	0.00	0.00	16.74	10	0.00	0.00	0.00	0.00	0.00	51.47
11	0.00	0.00	0.00	0.00	0.01	197.03	11	0.00	0.00	0.00	0.00	0.00	16.74	11	0.00	0.00	0.00	0.00	0.00	51.47
12	0.00	0.00	0.00	0.00	0.01	197.02	12	0.00	0.00	0.00	0.00	0.00	16.74	12	0.00	0.00	0.00	0.00	0.00	51.47
13	0.00	0.00	0.00	0.00	0.02	197.00	13	0.00	0.00	0.00	0.00	0.00	16.74	13	0.00	0.00	0.00	0.00	0.00	51.47
14	0.00	0.00	0.00	0.00	0.02	196.98	14	0.00	0.00	0.00	0.00	0.00	16.74	14	0.00	0.00	0.00	0.00	0.00	51.47
15	0.00	0.00	0.00	0.00	0.02	196.96	15	0.00	0.00	0.00	0.00	0.00	16.74	15	0.00	0.00	0.00	0.00	0.01	51.46
16	0.00	0.00	0.00	0.00	0.02	196.94	16	0.00	0.00	0.00	0.00	0.00	16.74	16	0.00	0.00	0.00	0.00	0.01	51.45
17	0.00	0.00	0.00	0.00	0.02	196.92	17	0.00	0.00	0.00	0.00	0.00	16.74	17	0.00	0.00	0.00	0.00	0.01	51.44
18	0.00	0.00	0.00	0.00	0.03	196.89	18	0.00	0.00	0.00	0.00	0.00	16.74	18	0.00	0.00	0.00	0.00	0.01	51.43
19	0.00	0.00	0.00	0.00	0.04	196.85	19	0.00	0.00	0.00	0.00	0.00	16.74	19	0.00	0.00	0.00	0.00	0.01	51.42
20	0.00	0.00	0.00	0.00	0.02	196.83	20	0.00	0.00	0.00	0.00	0.00	16.74	20	0.00	0.00	0.00	0.00	0.01	51.41
21	0.00	0.00	0.00	0.00	0.09	196.74	21	0.00	0.00	0.00	0.00	0.01	16.73	21	0.00	0.00	0.00	0.00	0.02	51.39
22	0.00	0.00	0.00	0.00	0.09	196.65	22	0.00	0.00	0.00	0.00	0.01	16.72	22	0.00	0.00	0.00	0.00	0.02	51.37
23	0.00	0.00	0.00	0.00	0.07	196.58	23	0.00	0.00	0.00	0.00	0.01	16.71	23	0.00	0.00	0.00	0.00	0.02	51.35
24	0.00	0.00	0.00	0.00	0.08	196.50	24	0.00	0.00	0.00	0.00	0.01	16.70	24	0.00	0.00	0.00	0.00	0.02	51.33
25	0.00	0.00	0.00	0.00	0.04	196.46	25	0.00	0.00	0.00	0.00	0.00	16.70	25	0.00	0.00	0.00	0.00	0.01	51.32
26	0.00	0.00	0.00	0.00	0.06	196.40	26	0.00	0.00	0.00	0.00	0.01	16.69	26	0.00	0.00	0.00	0.00	0.02	51.30
27	0.00	0.00	0.00	0.00	0.07	196.33	27	0.00	0.00	0.00	0.00	0.01	16.68	27	0.00	0.00	0.00	0.00	0.02	51.28
28	0.00	0.00	0.00	0.00	0.07	196.26	28	0.00	0.00	0.00	0.00	0.01	16.67	28	0.00	0.00	16.45	0.00	0.02	34.81
29	0.00	0.00	0.00	0.00	0.07	196.19	29	0.00	0.00	0.00	0.00	0.01	16.66	29	0.00	0.00	0.00	0.00	0.01	34.80
30	0.00	0.00	0.00	0.00	0.07	196.12	30	0.00	0.00	0.00	0.00	0.01	16.65	30	0.00	0.00	0.00	0.00	0.01	34.79
31	0.00	0.00	0.00	0.00	0.12	196.00	31	0.00	0.00	0.00	0.00	0.01	16.64	31	0.00	0.00	0.00	0.00	0.02	34.77
	0.00	0.00	0.00	0.00	1.25			0.00	0.00	0.00	0.00	0.11			0.00	0.00	16.45	0.00	0.27	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						180.50							217.08							0.00
1	0.00	0.00	0.00	0.00	0.09	180.41	1	0.00	0.00	0.00	0.00	0.10	216.98	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.01	180.40	2	0.00	0.00	0.00	0.00	0.01	216.97	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	180.39	3	0.00	0.00	0.00	0.00	0.01	216.96	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.01	180.38	4	0.00	0.00	0.00	0.00	0.01	216.95	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.01	180.37	5	0.00	0.00	0.00	0.00	0.01	216.94	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	180.37	6	0.00	0.00	0.00	0.00	0.01	216.93	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.02	180.35	7	0.00	0.00	0.00	0.00	0.02	216.91	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.02	180.33	8	0.00	0.00	0.00	0.00	0.02	216.89	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.02	180.31	9	0.00	0.00	0.00	0.00	0.02	216.87	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.01	180.30	10	0.00	0.00	0.00	0.00	0.01	216.86	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.01	180.29	11	0.00	0.00	0.00	0.00	0.01	216.85	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.01	180.28	12	0.00	0.00	0.00	0.00	0.01	216.84	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.02	180.26	13	0.00	0.00	0.00	0.00	0.02	216.82	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.02	180.24	14	0.00	0.00	0.00	0.00	0.02	216.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.02	180.22	15	0.00	0.00	0.00	0.00	0.03	216.77	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.02	180.20	16	0.00	0.00	0.00	0.00	0.03	216.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.02	180.18	17	0.00	0.00	0.00	0.00	0.03	216.71	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.03	180.15	18	0.00	0.00	0.00	0.00	0.04	216.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.04	180.11	19	0.00	0.00	0.00	0.00	0.04	216.63	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.02	180.09	20	0.00	0.00	0.00	0.00	0.03	216.60	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.08	180.01	21	0.00	0.00	0.00	0.00	0.09	216.51	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.08	179.93	22	0.00	0.00	0.00	0.00	0.09	216.42	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.06	179.87	23	0.00	0.00	0.00	0.00	0.08	216.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.07	179.80	24	0.00	0.00	0.00	0.00	0.08	216.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.04	179.76	25	0.00	0.00	0.00	0.00	0.05	216.21	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.05	179.71	26	0.00	0.00	0.00	0.00	0.06	216.15	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.06	179.65	27	0.00	0.00	0.00	0.00	0.07	216.08	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.06	179.59	28	0.00	0.00	0.00	0.00	0.07	216.01	28	0.00	16.45	0.00	0.00	0.00	16.45
29	0.00	0.00	0.00	0.00	0.06	179.53	29	0.00	0.00	0.00	0.00	0.07	215.94							



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

May 4, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of February 2022 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 in February 2022.



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 February 2022.

On February 28, 2022, Arkansas Groundwater and Reservoir Association (AGRA) transferred 29.53 acre-feet out of the AGRA Upstream Consumable subaccount and into the Catlin Augmentation Association (CAA) Upstream Consumable subaccount. On the same day, CAA transferred 29.53 acre-feet out of the CAA Upstream Consumable subaccount to replace depletions to conservation storage caused by winter return flow obligations as prescribed in Case No. 12CW94. The total transferred out of the Offset Account in February 2022 was 29.53 acre-feet.

There were unreplaced depletions at the stateline totaling 471.73 acre-feet after balancing the February accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas Pursuant to Paragraph 5 of the Resolution.

As of February 28, 2022, a total of 1,749.06 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of February 2022 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
February 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	6.37	2.59
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0.03	0.02
4	COLLIER	0	0
5	COLORADO	0.39	0.2
6	ROCKY FORD HIGHLINE	0.02	0.01
7	OXFORD	2.4	1.89
8	OTERO	0	0
9	CATLIN	0	0
10	FORT LYON US	4.43	1.59
11	ROCKY FORD	0.13	0.07
12	HOLBROOK	0.02	0.01
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	9.69	6.47
15	FORT BENT	0	0
17	AMITY	6.51	4.88
18	LAMAR/MANVEL	22.38	11.68
19	HYDE	0	0
20	FORT LYON DS	39.78	17.33
21	XY GRAHAM	0	0
22	BUFFALO	0	0
24	STATELINE SOLE SOURCE	40.132	30.09
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	17.02	12.77
	Totals	149.3	89.66

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
February 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	4.88	11.68	0.00	17.20	0.00	0.00	0.00	52.95	86.71

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
February 2022

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	14.74	28.34	102.21	81.03	35.24	65.41	147.37	407.75	28.21	910.30	
Depletion to Usable SL Flow	5.14	9.89	35.67	28.28	12.30	22.83	51.43	142.30	9.85	317.69	
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	106.30								296.01	296.01	0.00
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	296.01	296.01
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 282.96 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 471.73 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.

Enclosure 1

John Martin Offset Accounting for February 2022

Offset Account

February 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1801.78							250.50							0.00
1	0.00	0.00	0.00	0.00	1.04	1800.74	1	0.00	0.00	0.00	0.00	0.14	250.36	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.99	1799.75	2	0.00	0.00	0.00	0.00	0.14	250.22	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.02	1799.73	3	0.00	0.00	0.00	0.00	0.00	250.22	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.02	1799.71	4	0.00	0.00	0.00	0.00	0.00	250.22	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.02	1799.69	5	0.00	0.00	0.00	0.00	0.00	250.22	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.02	1799.67	6	0.00	0.00	0.00	0.00	0.00	250.22	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.07	1799.60	7	0.00	0.00	0.00	0.00	0.01	250.21	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.48	1799.12	8	0.00	0.00	0.00	0.00	0.07	250.14	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.49	1798.63	9	0.00	0.00	0.00	0.00	0.07	250.07	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.49	1798.14	10	0.00	0.00	0.00	0.00	0.07	250.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.19	1796.95	11	0.00	0.00	0.00	0.00	0.16	249.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.18	1795.77	12	0.00	0.00	0.00	0.00	0.16	249.68	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.90	1794.87	13	0.00	0.00	0.00	0.00	0.13	249.55	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.00	1793.87	14	0.00	0.00	0.00	0.00	0.14	249.41	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.11	1792.76	15	0.00	0.00	0.00	0.00	0.15	249.26	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.04	1791.72	16	0.00	0.00	0.00	0.00	0.14	249.12	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.10	1790.62	17	0.00	0.00	0.00	0.00	0.15	248.97	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.10	1789.52	18	0.00	0.00	0.00	0.00	0.15	248.82	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.10	1788.42	19	0.00	0.00	0.00	0.00	0.15	248.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.14	1787.28	20	0.00	0.00	0.00	0.00	0.16	248.51	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.03	1786.25	21	0.00	0.00	0.00	0.00	0.14	248.37	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.02	1785.23	22	0.00	0.00	0.00	0.00	0.14	248.23	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.02	1784.21	23	0.00	0.00	0.00	0.00	0.14	248.09	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.02	1783.19	24	0.00	0.00	0.00	0.00	0.14	247.95	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.97	1782.22	25	0.00	0.00	0.00	0.00	0.13	247.82	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.97	1781.25	26	0.00	0.00	0.00	0.00	0.13	247.69	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.02	1780.23	27	0.00	0.00	0.00	0.00	0.14	247.55	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	29.53	59.06	0.00	1.64	1749.06	28	0.00	29.53	59.06	0.00	0.23	217.79	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	29.53	59.06	0.00	23.19			0.00	29.53	59.06	0.00	3.18			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1605.78							1362.94							0.00
1	0.00	0.00	0.00	0.00	0.93	1604.85	1	0.00	0.00	0.00	0.00	0.79	1362.15	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.88	1603.97	2	0.00	0.00	0.00	0.00	0.74	1361.41	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.02	1603.95	3	0.00	0.00	0.00	0.00	0.02	1361.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.02	1603.93	4	0.00	0.00	0.00	0.00	0.02	1361.37	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.02	1603.91	5	0.00	0.00	0.00	0.00	0.02	1361.35	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.02	1603.89	6	0.00	0.00	0.00	0.00	0.02	1361.33	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.06	1603.83	7	0.00	0.00	0.00	0.00	0.05	1361.28	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.43	1603.40	8	0.00	0.00	0.00	0.00	0.36	1360.92	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.44	1602.96	9	0.00	0.00	0.00	0.00	0.37	1360.55	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.44	1602.52	10	0.00	0.00	0.00	0.00	0.37	1360.18	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.06	1601.46	11	0.00	0.00	0.00	0.00	0.90	1359.28	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.05	1600.41	12	0.00	0.00	0.00	0.00	0.89	1358.39	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.80	1599.61	13	0.00	0.00	0.00	0.00	0.67	1357.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.89	1598.72	14	0.00	0.00	0.00	0.00	0.75	1356.97	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.99	1597.73	15	0.00	0.00	0.00	0.00	0.84	1356.13	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.93	1596.80	16	0.00	0.00	0.00	0.00	0.79	1355.34	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.98	1595.82	17	0.00	0.00	0.00	0.00	0.83	1354.51	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.98	1594.84	18	0.00	0.00	0.00	0.00	0.83	1353.68	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.98	1593.86	19	0.00	0.00	0.00	0.00	0.83	1352.85	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.02	1592.84	20	0.00	0.00	0.00	0.00	0.86	1351.99	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.92	1591.92	21	0.00	0.00	0.00	0.00	0.78	1351.21	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.91	1591.01	22	0.00	0.00	0.00	0.00	0.77	1350.44	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.91	1590.10	23	0.00	0.00	0.00	0.00	0.77	1349.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.91	1589.19	24	0.00	0.00	0.00	0.00	0.77	1348.90	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.86	1588.33	25	0.00	0.00	0.00	0.00	0.73	1348.17	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.86	1587.47	26	0.00	0.00	0.00	0.00	0.73	1347.44	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.91	1586.56	27	0.00	0.00	0.00	0.00	0.77	1346.67	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	29.53	59.06	0.00	1.46	1555.57	28	0.00	0.00	0.00	0.00	1.23	1345.44	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	29.53	59.06	0.00	20.68			0.00	0.00	0.00	0.00	17.50			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						196.00							16.64							34.77
1	0.00	0.00	0.00	0.00	0.11	195.89	1	0.00	0.00	0.00	0.00	0.01	16.63	1	0.00	0.00	0.00	0.00	0.02	34.75
2	0.00	0.00	0.00	0.00	0.11	195.78	2	0.00	0.00	0.00	0.00	0.01	16.62	2	0.00	0.00	0.00	0.00	0.02	34.73
3	0.00	0.00	0.00	0.00	0.00	195.78	3	0.00	0.00	0.00	0.00	0.00	16.62	3	0.00	0.00	0.00	0.00	0.00	34.73
4	0.00	0.00	0.00	0.00	0.00	195.78	4	0.00	0.00	0.00	0.00	0.00	16.62	4	0.00	0.00	0.00	0.00	0.00	34.73
5	0.00	0.00	0.00	0.00	0.00	195.78	5	0.00	0.00	0.00	0.00	0.00	16.62	5	0.00	0.00	0.00	0.00	0.00	34.73
6	0.00	0.00	0.00	0.00	0.00	195.78	6	0.00	0.00	0.00	0.00	0.00	16.62	6	0.00	0.00	0.00	0.00	0.00	34.73
7	0.00	0.00	0.00	0.00	0.01	195.77	7	0.00	0.00	0.00	0.00	0.00	16.62	7	0.00	0.00	0.00	0.00	0.00	34.73
8	0.00	0.00	0.00	0.00	0.05	195.72	8	0.00	0.00	0.00	0.00	0.00	16.62	8	0.00	0.00	0.00	0.00	0.01	34.72
9	0.00	0.00	0.00	0.00	0.05	195.67	9	0.00	0.00	0.00	0.00	0.00	16.62	9	0.00	0.00	0.00	0.00	0.01	34.71
10	0.00	0.00	0.00	0.00	0.05	195.62	10	0.00	0.00	0.00	0.00	0.00	16.62	10	0.00	0.00	0.00	0.00	0.01	34.70
11	0.00	0.00	0.00	0.00	0.13	195.49	11	0.00	0.00	0.00	0.00	0.01	16.61	11	0.00	0.00	0.00	0.00	0.02	34.68
12	0.00	0.00	0.00	0.00	0.13	195.36	12	0.00	0.00	0.00	0.00	0.01	16.60	12	0.00	0.00	0.00	0.00	0.02	34.66
13	0.00	0.00	0.00	0.00	0.10	195.26	13	0.00	0.00	0.00	0.00	0.01	16.59	13	0.00	0.00	0.00	0.00	0.02	34.64
14	0.00	0.00	0.00	0.00	0.11	195.15	14	0.00	0.00	0.00	0.00	0.01	16.58	14	0.00	0.00	0.00	0.00	0.02	34.62
15	0.00	0.00	0.00	0.00	0.12	195.03	15	0.00	0.00	0.00	0.00	0.01	16.57	15	0.00	0.00	0.00	0.00	0.02	34.60
16	0.00	0.00	0.00	0.00	0.11	194.92	16	0.00	0.00	0.00	0.00	0.01	16.56	16	0.00	0.00	0.00	0.00	0.02	34.58
17	0.00	0.00	0.00	0.00	0.12	194.80	17	0.00	0.00	0.00	0.00	0.01	16.55	17	0.00	0.00	0.00	0.00	0.02	34.56
18	0.00	0.00	0.00	0.00	0.12	194.68	18	0.00	0.00	0.00	0.00	0.01	16.54	18	0.00	0.00	0.00	0.00	0.02	34.54
19	0.00	0.00	0.00	0.00	0.12	194.56	19	0.00	0.00	0.00	0.00	0.01	16.53	19	0.00	0.00	0.00	0.00	0.02	34.52
20	0.00	0.00	0.00	0.00	0.12	194.44	20	0.00	0.00	0.00	0.00	0.01	16.52	20	0.00	0.00	0.00	0.00	0.02	34.50
21	0.00	0.00	0.00	0.00	0.11	194.33	21	0.00	0.00	0.00	0.00	0.01	16.51	21	0.00	0.00	0.00	0.00	0.02	34.48
22	0.00	0.00	0.00	0.00	0.11	194.22	22	0.00	0.00	0.00	0.00	0.01	16.50	22	0.00	0.00	0.00	0.00	0.02	34.46
23	0.00	0.00	0.00	0.00	0.11	194.11	23	0.00	0.00	0.00	0.00	0.01	16.49	23	0.00	0.00	0.00	0.00	0.02	34.44
24	0.00	0.00	0.00	0.00	0.11	194.00	24	0.00	0.00	0.00	0.00	0.01	16.48	24	0.00	0.00	0.00	0.00	0.02	34.42
25	0.00	0.00	0.00	0.00	0.11	193.89	25	0.00	0.00	0.00	0.00	0.01	16.47	25	0.00	0.00	0.00	0.00	0.02	34.40
26	0.00	0.00	0.00	0.00	0.11	193.78	26	0.00	0.00	0.00	0.00	0.01	16.46	26	0.00	0.00	0.00	0.00	0.02	34.38
27	0.00	0.00	0.00	0.00	0.11	193.67	27	0.00	0.00	0.00	0.00	0.01	16.45	27	0.00	0.00	0.00	0.00	0.02	34.36
28	0.00	0.00	0.00	0.00	0.18	193.49	28	0.00	0.00	0.00	0.00	0.02	16.43	28	0.00	0.00	29.53	0.00	0.03	4.80
	0.00	0.00	0.00	0.00	2.51			0.00	0.00	0.00	0.00	0.21			0.00	0.00	29.53	0.00	0.44	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						179.36							215.73							0.00
1	0.00	0.00	0.00	0.00	0.10	179.26	1	0.00	0.00	0.00	0.00	0.12	215.61	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.10	179.16	2	0.00	0.00	0.00	0.00	0.12	215.49	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	179.16	3	0.00	0.00	0.00	0.00	0.00	215.49	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	179.16	4	0.00	0.00	0.00	0.00	0.00	215.49	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	179.16	5	0.00	0.00	0.00	0.00	0.00	215.49	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	179.16	6	0.00	0.00	0.00	0.00	0.00	215.49	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.01	179.15	7	0.00	0.00	0.00	0.00	0.01	215.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.05	179.10	8	0.00	0.00	0.00	0.00	0.06	215.42	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.05	179.05	9	0.00	0.00	0.00	0.00	0.06	215.36	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.05	179.00	10	0.00	0.00	0.00	0.00	0.06	215.30	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.12	178.88	11	0.00	0.00	0.00	0.00	0.14	215.16	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.12	178.76	12	0.00	0.00	0.00	0.00	0.14	215.02	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.09	178.67	13	0.00	0.00	0.00	0.00	0.11	214.91	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.10	178.57	14	0.00	0.00	0.00	0.00	0.12	214.79	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.11	178.46	15	0.00	0.00	0.00	0.00	0.13	214.66	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.10	178.36	16	0.00	0.00	0.00	0.00	0.12	214.54	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.11	178.25	17	0.00	0.00	0.00	0.00	0.13	214.41	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.11	178.14	18	0.00	0.00	0.00	0.00	0.13	214.28	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.11	178.03	19	0.00	0.00	0.00	0.00	0.13	214.15	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.11	177.92	20	0.00	0.00	0.00	0.00	0.14	214.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.10	177.82	21	0.00	0.00	0.00	0.00	0.12	213.89	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.10	177.72	22	0.00	0.00	0.00	0.00	0.12	213.77	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.10	177.62	23	0.00	0.00	0.00	0.00	0.12	213.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.10	177.52	24	0.00	0.00	0.00	0.00	0.12	213.53	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.10	177.42	25	0.00	0.00	0.00	0.00	0.11	213.42	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.10	177.32	26	0.00	0.00	0.00	0.00	0.11	213.31	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.10	177.22	27	0.00	0.00	0.00	0.00	0.12	213.19	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.16	177.06	28	0.00	0.00	0.00	0.00	0.20	212.99	28	0.00	29.53	29.53	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	2.30			0.00	0.00	0.00	0.00	2.74			0.00	29.53	29.53	0.00	0.00	



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

May 4, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of March 2022 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 in March 2022.



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 74.47 acre-feet of Fort Lyon Canal shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in March 2022 totaled 74.47 acre-feet.

On March 31, 2022 809.52 acre-feet was transferred by LAWMA into the Offset Account of which 500 acre-feet was transferred into the Kansas Consumable Charge account as a storage charge to initiate the use of the account for 2022 pursuant to paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 (“Resolution”). Further details describing this transfer will be outlined in the final notice letter.

On March 12, 2022, LAWMA transferred 182.86 acre-feet out of the Downstream Consumable subaccount and into the Kansas Consumable subaccount to cover unreplaced stateline depletions from the month of December 2021. The total transferred within the Offset Account in March 2022 was 182.86 acre-feet.

There were unreplaced depletions at the stateline totaling 646.91 acre-feet after balancing the March accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas Pursuant to Paragraph 5 of the Resolution.

As of March 31, 2022, a total of 2,580.78 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of March 2022 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
March 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	252.58	110.74
2	BOOTH ORCHARD	0.2925	0.19
3	EXCELSIOR	74.18	37.11
4	COLLIER	26.43	9.51
5	COLORADO	28.13	14.08
6	ROCKY FORD HIGHLINE	80.65	35.26
7	OXFORD	116.86	49.6
8	OTERO	3.07	1.11
9	CATLIN	64.36	29.68
10	FORT LYON US	630.58	326.16
11	ROCKY FORD	2.39	1.27
12	HOLBROOK	226.5	110.64
13	LAS ANIMAS CONSOLIDATED	51.88	25.95
14	BALDWIN-STUBBS	45.34	28.55
15	FORT BENT	134.46	70.48
17	AMITY	1364.65	693.77
18	LAMAR/MANVEL	239.02	140.94
19	HYDE	60.29	45.22
20	FORT LYON DS	1098.06	576.11
21	XY GRAHAM	90.95	48.55
22	BUFFALO	152.2	58.77
24	STATELINE SOLE SOURCE	1052.55	786.95
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	26.65	19.99
	Totals	5822.07	3220.63



TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
March 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	70.57	0.00	693.77	140.94	45.22	486.49	9.21	58.77	0.00	784.60	2289.57

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
March 2022

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	17.47	34.69	136.41	99.95	37.64	63.70	155.47	487.82	22.18	1055.33	
Depletion to Usable SL Flow	6.10	12.11	47.61	34.88	13.14	22.23	54.26	170.25	7.74	368.31	
Replacements											Credit to Next Month
FRY-ARK Return Flows	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	0.00	0.00			0.00	0.00
Lamar Granada East/West								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	0.00	0	0	0	0	0	0	0	0.00	0.00	0.00
XY Direct Flow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00
Manvel Direct Flow	0.00	0	0	0	0	0	0	0	0	0.00	0.00
Offset Account Release Credit	0.00								343.26	343.26	0.00
Offset Account Transit Loss	0.00	0.00		0.00			0.00			0.00	0.00
Offset Account Water	0.00	0								0.00	0.00
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	343.26	343.26
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 303.65 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 646.91 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.

Enclosure 1

John Martin Offset Accounting for March 2022

Offset Account

March 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1749.06							2179.79							0.00
1	0.00	0.00	0.00	0.00	1.70	1747.36	1	0.00	0.00	0.00	0.00	0.21	217.58	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.68	1745.68	2	0.00	0.00	0.00	0.00	0.20	217.38	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.77	1743.91	3	0.00	0.00	0.00	0.00	0.21	217.17	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.76	1742.15	4	0.00	0.00	0.00	0.00	0.21	216.96	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.76	1740.39	5	0.00	0.00	0.00	0.00	0.21	216.75	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.67	1738.72	6	0.00	0.00	0.00	0.00	0.20	216.55	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.66	1737.06	7	0.00	0.00	0.00	0.00	0.20	216.35	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.73	1735.33	8	0.00	0.00	0.00	0.00	0.21	216.14	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.65	1733.68	9	0.00	0.00	0.00	0.00	0.20	215.94	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.55	1732.13	10	0.00	0.00	0.00	0.00	0.19	215.75	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.71	1730.42	11	0.00	0.00	0.00	0.00	0.21	215.54	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	182.86	182.86	0.00	1.71	1728.71	12	0.00	0.00	0.00	0.00	0.21	215.33	12	0.00	182.86	0.00	0.00	0.00	182.86
13	0.00	0.00	0.00	0.00	1.70	1727.01	13	0.00	0.00	0.00	0.00	0.21	215.12	13	0.00	0.00	0.00	0.00	0.18	182.68
14	0.00	0.00	0.00	0.00	1.68	1725.33	14	0.00	0.00	0.00	0.00	0.20	214.92	14	0.00	0.00	0.00	0.00	0.18	182.50
15	0.00	0.00	0.00	0.00	1.68	1723.65	15	0.00	0.00	0.00	0.00	0.20	214.72	15	0.00	0.00	0.00	0.00	0.18	182.32
16	0.00	0.00	0.00	0.00	1.67	1721.98	16	0.00	0.00	0.00	0.00	0.20	214.52	16	0.00	0.00	0.00	0.00	0.18	182.14
17	0.00	0.00	0.00	0.00	1.65	1720.33	17	0.00	0.00	0.00	0.00	0.20	214.32	17	0.00	0.00	0.00	0.00	0.17	181.97
18	0.00	0.00	0.00	0.00	1.65	1718.68	18	0.00	0.00	0.00	0.00	0.20	214.12	18	0.00	0.00	0.00	0.00	0.17	181.80
19	0.00	0.00	0.00	0.00	1.65	1717.03	19	0.00	0.00	0.00	0.00	0.20	213.92	19	0.00	0.00	0.00	0.00	0.17	181.63
20	0.00	0.00	0.00	0.00	1.63	1715.40	20	0.00	0.00	0.00	0.00	0.20	213.72	20	0.00	0.00	0.00	0.00	0.17	181.46
21	12.25	0.00	0.00	0.00	1.63	1726.02	21	0.00	0.00	0.00	0.00	0.20	213.52	21	0.00	0.00	0.00	0.00	0.17	181.29
22	28.68	0.00	0.00	0.00	1.63	1753.07	22	0.00	0.00	0.00	0.00	0.20	213.32	22	0.00	0.00	0.00	0.00	0.17	181.12
23	17.10	0.00	0.00	0.00	1.66	1768.51	23	0.00	0.00	0.00	0.00	0.20	213.12	23	0.00	0.00	0.00	0.00	0.17	180.95
24	9.95	0.00	0.00	0.00	1.66	1776.80	24	0.00	0.00	0.00	0.00	0.20	212.92	24	0.00	0.00	0.00	0.00	0.17	180.78
25	6.49	0.00	0.00	0.00	1.65	1781.64	25	0.00	0.00	0.00	0.00	0.19	212.73	25	0.00	0.00	0.00	0.00	0.17	180.61
26	0.00	0.00	0.00	0.00	1.66	1779.98	26	0.00	0.00	0.00	0.00	0.19	212.54	26	0.00	0.00	0.00	0.00	0.17	180.44
27	0.00	0.00	0.00	0.00	1.65	1778.33	27	0.00	0.00	0.00	0.00	0.19	212.35	27	0.00	0.00	0.00	0.00	0.17	180.27
28	0.00	0.00	0.00	0.00	1.65	1776.68	28	0.00	0.00	0.00	0.00	0.19	212.16	28	0.00	0.00	0.00	0.00	0.17	180.10
29	0.00	0.00	0.00	0.00	1.65	1775.03	29	0.00	0.00	0.00	0.00	0.19	211.97	29	0.00	0.00	0.00	0.00	0.17	179.93
30	0.00	0.00	0.00	0.00	1.64	1773.39	30	0.00	0.00	0.00	0.00	0.19	211.78	30	0.00	0.00	0.00	0.00	0.17	179.76
31	0.00	809.52	0.00	0.00	2.13	2580.78	31	0.00	0.00	0.00	0.00	0.26	211.52	31	0.00	0.00	0.00	0.00	0.21	179.55
	74.47	992.38	182.86	0.00	52.27			0.00	0.00	0.00	0.00	6.27			0.00	182.86	0.00	0.00	3.31	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1555.57							1345.44							0.00
1	0.00	0.00	0.00	0.00	1.51	1554.06	1	0.00	0.00	0.00	0.00	1.30	1344.14	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.49	1552.57	2	0.00	0.00	0.00	0.00	1.29	1342.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.57	1551.00	3	0.00	0.00	0.00	0.00	1.36	1341.49	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.56	1549.44	4	0.00	0.00	0.00	0.00	1.35	1340.14	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.56	1547.88	5	0.00	0.00	0.00	0.00	1.35	1338.79	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.48	1546.40	6	0.00	0.00	0.00	0.00	1.28	1337.51	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.47	1544.93	7	0.00	0.00	0.00	0.00	1.27	1336.24	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.54	1543.39	8	0.00	0.00	0.00	0.00	1.33	1334.91	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.46	1541.93	9	0.00	0.00	0.00	0.00	1.26	1333.65	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.38	1540.55	10	0.00	0.00	0.00	0.00	1.19	1332.46	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.52	1539.03	11	0.00	0.00	0.00	0.00	1.31	1331.15	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	182.86	182.86	0.00	1.52	1537.51	12	0.00	0.00	182.86	0.00	1.31	1146.98	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.51	1536.00	13	0.00	0.00	0.00	0.00	1.12	1145.86	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.49	1534.51	14	0.00	0.00	0.00	0.00	1.11	1144.75	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.49	1533.02	15	0.00	0.00	0.00	0.00	1.11	1143.64	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.48	1531.54	16	0.00	0.00	0.00	0.00	1.10	1142.54	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.46	1530.08	17	0.00	0.00	0.00	0.00	1.09	1141.45	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.46	1528.62	18	0.00	0.00	0.00	0.00	1.09	1140.36	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.46	1527.16	19	0.00	0.00	0.00	0.00	1.09	1139.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.45	1525.71	20	0.00	0.00	0.00	0.00	1.08	1138.19	20	0.00	0.00	0.00	0.00	0.00	0.00
21	12.25	0.00	0.00	0.00	1.45	1536.51	21	12.25	0.00	0.00	0.00	1.08	1149.36	21	0.00	0.00	0.00	0.00	0.00	0.00
22	28.68	0.00	0.00	0.00	1.45	1563.74	22	28.68	0.00	0.00	0.00	1.08	1176.96	22	0.00	0.00	0.00	0.00	0.00	0.00
23	17.10	0.00	0.00	0.00	1.48	1579.36	23	17.10	0.00	0.00	0.00	1.11	1192.95	23	0.00	0.00	0.00	0.00	0.00	0.00
24	9.95	0.00	0.00	0.00	1.49	1587.82	24	9.95	0.00	0.00	0.00	1.12	1201.78	24	0.00	0.00	0.00	0.00	0.00	0.00
25	6.49	0.00	0.00	0.00	1.48	1592.83	25	6.49	0.00	0.00	0.00	1.12	1207.15	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.49	1591.34	26	0.00	0.00	0.00	0.00	1.13	1206.02	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.48	1589.86	27	0.00	0.00	0.00	0.00	1.12	1204.90	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.48	1588.38	28	0.00	0.00	0.00	0.00	1.12	1203.78	28	0.00	0.00	0.00	0.00</		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						193.49							16.43							4.80
1	0.00	0.00	0.00	0.00	0.19	193.30	1	0.00	0.00	0.00	0.00	0.02	16.41	1	0.00	0.00	0.00	0.00	0.00	4.80
2	0.00	0.00	0.00	0.00	0.19	193.11	2	0.00	0.00	0.00	0.00	0.02	16.39	2	0.00	0.00	0.00	0.00	0.00	4.80
3	0.00	0.00	0.00	0.00	0.20	192.91	3	0.00	0.00	0.00	0.00	0.02	16.37	3	0.00	0.00	0.00	0.00	0.00	4.80
4	0.00	0.00	0.00	0.00	0.20	192.71	4	0.00	0.00	0.00	0.00	0.02	16.35	4	0.00	0.00	0.00	0.00	0.00	4.80
5	0.00	0.00	0.00	0.00	0.20	192.51	5	0.00	0.00	0.00	0.00	0.02	16.33	5	0.00	0.00	0.00	0.00	0.00	4.80
6	0.00	0.00	0.00	0.00	0.19	192.32	6	0.00	0.00	0.00	0.00	0.02	16.31	6	0.00	0.00	0.00	0.00	0.00	4.80
7	0.00	0.00	0.00	0.00	0.19	192.13	7	0.00	0.00	0.00	0.00	0.02	16.29	7	0.00	0.00	0.00	0.00	0.00	4.80
8	0.00	0.00	0.00	0.00	0.19	191.94	8	0.00	0.00	0.00	0.00	0.02	16.27	8	0.00	0.00	0.00	0.00	0.00	4.80
9	0.00	0.00	0.00	0.00	0.19	191.75	9	0.00	0.00	0.00	0.00	0.02	16.25	9	0.00	0.00	0.00	0.00	0.00	4.80
10	0.00	0.00	0.00	0.00	0.17	191.58	10	0.00	0.00	0.00	0.00	0.01	16.24	10	0.00	0.00	0.00	0.00	0.00	4.80
11	0.00	0.00	0.00	0.00	0.19	191.39	11	0.00	0.00	0.00	0.00	0.02	16.22	11	0.00	0.00	0.00	0.00	0.00	4.80
12	0.00	0.00	0.00	0.00	0.19	191.20	12	0.00	0.00	0.00	0.00	0.02	16.20	12	0.00	0.00	0.00	0.00	0.00	4.80
13	0.00	0.00	0.00	0.00	0.19	191.01	13	0.00	0.00	0.00	0.00	0.02	16.18	13	0.00	0.00	0.00	0.00	0.00	4.80
14	0.00	0.00	0.00	0.00	0.19	190.82	14	0.00	0.00	0.00	0.00	0.02	16.16	14	0.00	0.00	0.00	0.00	0.00	4.80
15	0.00	0.00	0.00	0.00	0.19	190.63	15	0.00	0.00	0.00	0.00	0.02	16.14	15	0.00	0.00	0.00	0.00	0.00	4.80
16	0.00	0.00	0.00	0.00	0.19	190.44	16	0.00	0.00	0.00	0.00	0.02	16.12	16	0.00	0.00	0.00	0.00	0.00	4.80
17	0.00	0.00	0.00	0.00	0.19	190.25	17	0.00	0.00	0.00	0.00	0.02	16.10	17	0.00	0.00	0.00	0.00	0.00	4.80
18	0.00	0.00	0.00	0.00	0.19	190.06	18	0.00	0.00	0.00	0.00	0.02	16.08	18	0.00	0.00	0.00	0.00	0.00	4.80
19	0.00	0.00	0.00	0.00	0.19	189.87	19	0.00	0.00	0.00	0.00	0.02	16.06	19	0.00	0.00	0.00	0.00	0.00	4.80
20	0.00	0.00	0.00	0.00	0.18	189.69	20	0.00	0.00	0.00	0.00	0.02	16.04	20	0.00	0.00	0.00	0.00	0.00	4.80
21	0.00	0.00	0.00	0.00	0.18	189.51	21	0.00	0.00	0.00	0.00	0.02	16.02	21	0.00	0.00	0.00	0.00	0.00	4.80
22	0.00	0.00	0.00	0.00	0.18	189.33	22	0.00	0.00	0.00	0.00	0.02	16.00	22	0.00	0.00	0.00	0.00	0.00	4.80
23	0.00	0.00	0.00	0.00	0.18	189.15	23	0.00	0.00	0.00	0.00	0.02	15.98	23	0.00	0.00	0.00	0.00	0.00	4.80
24	0.00	0.00	0.00	0.00	0.17	188.98	24	0.00	0.00	0.00	0.00	0.01	15.97	24	0.00	0.00	0.00	0.00	0.00	4.80
25	0.00	0.00	0.00	0.00	0.17	188.81	25	0.00	0.00	0.00	0.00	0.01	15.96	25	0.00	0.00	0.00	0.00	0.00	4.80
26	0.00	0.00	0.00	0.00	0.17	188.64	26	0.00	0.00	0.00	0.00	0.01	15.95	26	0.00	0.00	0.00	0.00	0.00	4.80
27	0.00	0.00	0.00	0.00	0.17	188.47	27	0.00	0.00	0.00	0.00	0.01	15.94	27	0.00	0.00	0.00	0.00	0.00	4.80
28	0.00	0.00	0.00	0.00	0.17	188.30	28	0.00	0.00	0.00	0.00	0.01	15.93	28	0.00	0.00	0.00	0.00	0.00	4.80
29	0.00	0.00	0.00	0.00	0.17	188.13	29	0.00	0.00	0.00	0.00	0.01	15.92	29	0.00	0.00	0.00	0.00	0.00	4.80
30	0.00	0.00	0.00	0.00	0.17	187.96	30	0.00	0.00	0.00	0.00	0.01	15.91	30	0.00	0.00	0.00	0.00	0.00	4.80
31	0.00	309.52	0.00	0.00	0.23	497.25	31	0.00	26.27	0.00	0.00	0.02	42.16	31	0.00	0.00	0.00	0.00	0.01	4.79
	0.00	309.52	0.00	0.00	5.76			0.00	26.27	0.00	0.00	0.54			0.00	0.00	0.00	0.00	0.01	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						177.06							212.99							0.00
1	0.00	0.00	0.00	0.00	0.17	176.89	1	0.00	0.00	0.00	0.00	0.21	212.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.17	176.72	2	0.00	0.00	0.00	0.00	0.20	212.58	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.18	176.54	3	0.00	0.00	0.00	0.00	0.21	212.37	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.18	176.36	4	0.00	0.00	0.00	0.00	0.21	212.16	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.18	176.18	5	0.00	0.00	0.00	0.00	0.21	211.95	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.17	176.01	6	0.00	0.00	0.00	0.00	0.20	211.75	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.17	175.84	7	0.00	0.00	0.00	0.00	0.20	211.55	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.17	175.67	8	0.00	0.00	0.00	0.00	0.21	211.34	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.17	175.50	9	0.00	0.00	0.00	0.00	0.20	211.14	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.16	175.34	10	0.00	0.00	0.00	0.00	0.19	210.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.17	175.17	11	0.00	0.00	0.00	0.00	0.21	210.74	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.17	175.00	12	0.00	0.00	0.00	0.00	0.21	210.53	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.17	174.83	13	0.00	0.00	0.00	0.00	0.21	210.32	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.17	174.66	14	0.00	0.00	0.00	0.00	0.20	210.12	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.17	174.49	15	0.00	0.00	0.00	0.00	0.20	209.92	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.17	174.32	16	0.00	0.00	0.00	0.00	0.20	209.72	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.17	174.15	17	0.00	0.00	0.00	0.00	0.20	209.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	173.98	18	0.00	0.00	0.00	0.00	0.20	209.32	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.17	173.81	19	0.00	0.00	0.00	0.00	0.20	209.12	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.16	173.65	20	0.00	0.00	0.00	0.00	0.20	208.92	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.16	173.49	21	0.00	0.00	0.00	0.00	0.20	208.72	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.16	173.33	22	0.00	0.00	0.00	0.00	0.20	208.52	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.16	173.17	23	0.00	0.00	0.00	0.00	0.20	208.32	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.16	173.01	24	0.00	0.00	0.00	0.00	0.20	208.12	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.16	172.85	25	0.00	0.00	0.00	0.00	0.19	207.93	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.16	172.69	26	0.00	0.00	0.00	0.00	0.19	207.74	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.16	172.53	27	0.00	0.00	0.00	0.00	0.19	207.55	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.16															



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

September 2, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of April 2022 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 2022.



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 78.74 acre-feet of Fort Lyon Canal shares, 241.30 acre-feet of Highland Canal shares, and 87.10 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in April 2022 totaled 407.14 acre-feet.

On April 10, 2022, LAWMA transferred 690.10 acre-feet out of the Downstream Consumable subaccount and into the Kansas Consumable subaccount to cover unreplaced stateline depletions from the month of January 2022. The total transferred within the Offset Account in April 2022 was 690.10 acre-feet.

There were unreplaced depletions at the stateline totaling 697.40 acre-feet after balancing the April accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas Pursuant to Paragraph 5 of the Resolution or by utilizing credit generated by a Kansas Offset Account Delivery.

As of April 30, 2022, a total of 2,884.15 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April 2022 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
April 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	470.25	215.53
2	BOOTH ORCHARD	9.59	4.80
3	EXCELSIOR	95.17	47.60
4	COLLIER	0.00	0.00
5	COLORADO	182.40	113.64
6	ROCKY FORD HIGHLINE	245.26	97.62
7	OXFORD	206.71	79.30
8	OTERO	24.15	8.70
9	CATLIN	569.51	231.20
10	FORT LYON US	869.32	388.55
11	ROCKY FORD	22.79	11.40
12	HOLBROOK	268.02	151.44
13	LAS ANIMAS CONSOLIDATED	14.80	7.08
14	BALDWIN-STUBBS	285.53	165.46
15	FORT BENT	137.21	77.11
17	AMITY	501.42	335.94
18	LAMAR/MANVEL	67.88	42.35
19	HYDE	58.84	25.32
20	FORT LYON DS	311.84	185.04
21	XY GRAHAM	372.27	237.42
22	BUFFALO	141.89	52.46
24	STATELINE SOLE SOURCE	1103.56	821.73
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	470.25	215.53
	Totals	5969.057	3307.67

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
April 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
49.01	77.11	0.00	335.94	42.35	25.32	182.07	237.42	52.46	0.00	817.05	1818.73

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
April 2022

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	186.81	647.55	17.17	851.53	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	153.00	530.34	14.06	697.40	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	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	
Ft Bent Ditch Shares	0		0.00	0.00						0.00	0
Stubbs Direct Flow	0							0.00		0.00	0
XY Direct Flow	0				0.00	0.00				0.00	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	12.92								697.40	697.40	-2319.62
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	697.40	697.40	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 161.52 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 646.91 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided or utilizing a credit generated by a Kansas Offset Account Delivery.

Enclosure 1

John Martin Offset Accounting for April 2022

Offset Account

April 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2580.78							211.52							179.55
1	0.00	0.00	0.00	0.00	3.09	2577.69	1	0.00	0.00	0.00	0.00	0.26	211.26	1	0.00	0.00	0.00	0.00	0.21	179.34
2	11.94	0.00	0.00	0.00	3.08	2586.55	2	0.00	0.00	0.00	0.00	0.26	211.00	2	0.00	0.00	0.00	0.00	0.21	179.13
3	10.42	0.00	0.00	0.00	3.09	2593.88	3	0.00	0.00	0.00	0.00	0.26	210.74	3	0.00	0.00	0.00	0.00	0.21	178.92
4	7.81	0.00	0.00	0.00	3.09	2598.60	4	0.00	0.00	0.00	0.00	0.25	210.49	4	0.00	0.00	0.00	0.00	0.21	178.71
5	10.64	0.00	0.00	0.00	3.09	2606.15	5	0.00	0.00	0.00	0.00	0.25	210.24	5	0.00	0.00	0.00	0.00	0.21	178.50
6	12.39	0.00	0.00	0.00	3.10	2615.44	6	0.00	0.00	0.00	0.00	0.25	209.99	6	0.00	0.00	0.00	0.00	0.21	178.29
7	12.50	0.00	0.00	0.00	3.12	2624.82	7	0.00	0.00	0.00	0.00	0.25	209.74	7	0.00	0.00	0.00	0.00	0.21	178.08
8	12.28	0.00	0.00	0.00	3.13	2633.97	8	0.00	0.00	0.00	0.00	0.25	209.49	8	0.00	0.00	0.00	0.00	0.21	177.87
9	11.61	0.00	0.00	0.00	3.13	2642.45	9	0.00	0.00	0.00	0.00	0.25	209.24	9	0.00	0.00	0.00	0.00	0.21	177.66
10	12.06	690.10	690.10	0.00	3.14	2651.37	10	0.00	0.00	0.00	0.00	0.25	208.99	10	0.00	690.10	0.00	0.00	0.21	867.55
11	12.50	0.00	0.00	0.00	3.16	2660.71	11	0.00	0.00	0.00	0.00	0.25	208.74	11	0.00	0.00	0.00	0.00	1.03	866.52
12	11.16	0.00	0.00	0.00	3.17	2668.70	12	0.00	0.00	0.00	0.00	0.25	208.49	12	0.00	0.00	0.00	0.00	1.03	865.49
13	9.76	0.00	0.00	0.00	3.17	2675.29	13	0.00	0.00	0.00	0.00	0.25	208.24	13	0.00	0.00	0.00	0.00	1.03	864.46
14	14.18	0.00	0.00	0.00	3.17	2686.30	14	0.00	0.00	0.00	0.00	0.25	207.99	14	0.00	0.00	0.00	0.00	1.02	863.44
15	20.46	0.00	0.00	0.00	3.19	2703.57	15	0.00	0.00	0.00	0.00	0.25	207.74	15	0.00	0.00	0.00	0.00	1.02	862.42
16	24.44	0.00	0.00	0.00	3.21	2724.80	16	0.00	0.00	0.00	0.00	0.25	207.49	16	0.00	0.00	0.00	0.00	1.02	861.40
17	35.68	0.00	0.00	0.00	3.24	2757.24	17	0.00	0.00	0.00	0.00	0.25	207.24	17	0.00	0.00	0.00	0.00	1.02	860.38
18	34.53	0.00	0.00	0.00	3.28	2788.49	18	0.00	0.00	0.00	0.00	0.25	206.99	18	0.00	0.00	0.00	0.00	1.02	859.36
19	15.07	0.00	0.00	0.00	3.32	2800.24	19	0.00	0.00	0.00	0.00	0.25	206.74	19	0.00	0.00	0.00	0.00	1.02	858.34
20	14.54	0.00	0.00	0.00	3.34	2811.44	20	0.00	0.00	0.00	0.00	0.25	206.49	20	0.00	0.00	0.00	0.00	1.02	857.32
21	14.22	0.00	0.00	0.00	3.34	2822.32	21	0.00	0.00	0.00	0.00	0.25	206.24	21	0.00	0.00	0.00	0.00	1.01	856.31
22	13.82	0.00	0.00	0.00	3.36	2832.78	22	0.00	0.00	0.00	0.00	0.25	205.99	22	0.00	0.00	0.00	0.00	1.01	855.30
23	12.96	0.00	0.00	0.00	3.39	2842.35	23	0.00	0.00	0.00	0.00	0.25	205.74	23	0.00	0.00	0.00	0.00	1.02	854.28
24	12.09	0.00	0.00	0.00	3.41	2851.03	24	0.00	0.00	0.00	0.00	0.25	205.49	24	0.00	0.00	0.00	0.00	1.02	853.26
25	12.29	0.00	0.00	0.00	1.64	2861.68	25	0.00	0.00	0.00	0.00	0.12	205.37	25	0.00	0.00	0.00	0.00	0.49	852.77
26	10.37	0.00	0.00	0.00	7.22	2864.83	26	0.00	0.00	0.00	0.00	0.52	204.85	26	0.00	0.00	0.00	0.00	2.15	850.62
27	9.57	0.00	0.00	0.00	1.78	2872.62	27	0.00	0.00	0.00	0.00	0.12	204.73	27	0.00	0.00	0.00	0.00	0.53	850.09
28	9.49	0.00	0.00	0.00	4.74	2877.37	28	0.00	0.00	0.00	0.00	0.34	204.39	28	0.00	0.00	0.00	0.00	1.40	848.69
29	9.52	0.00	0.00	0.00	5.78	2881.11	29	0.00	0.00	0.00	0.00	0.41	203.98	29	0.00	0.00	0.00	0.00	1.70	846.99
30	8.84	0.00	0.00	0.00	5.80	2884.15	30	0.00	0.00	0.00	0.00	0.41	203.57	30	0.00	0.00	0.00	0.00	1.70	845.29
	407.14	690.10	690.10	0.00	103.77			0.00	0.00	0.00	0.00	7.95			0.00	690.10	0.00	0.00	24.36	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2083.53							1200.12							500.00
1	0.00	0.00	0.00	0.00	2.50	2081.03	1	0.00	0.00	0.00	0.00	1.43	1198.69	1	0.00	0.00	0.00	0.00	0.60	499.40
2	11.94	0.00	0.00	0.00	2.49	2090.48	2	11.94	0.00	0.00	0.00	1.43	1209.20	2	0.00	0.00	0.00	0.00	0.59	498.81
3	10.42	0.00	0.00	0.00	2.50	2098.40	3	10.42	0.00	0.00	0.00	1.44	1218.18	3	0.00	0.00	0.00	0.00	0.59	498.22
4	7.81	0.00	0.00	0.00	2.50	2103.71	4	7.81	0.00	0.00	0.00	1.45	1224.54	4	0.00	0.00	0.00	0.00	0.59	497.63
5	10.64	0.00	0.00	0.00	2.50	2111.85	5	10.64	0.00	0.00	0.00	1.45	1233.73	5	0.00	0.00	0.00	0.00	0.59	497.04
6	12.39	0.00	0.00	0.00	2.51	2121.73	6	12.39	0.00	0.00	0.00	1.46	1244.66	6	0.00	0.00	0.00	0.00	0.59	496.45
7	12.50	0.00	0.00	0.00	2.53	2131.70	7	12.50	0.00	0.00	0.00	1.48	1255.68	7	0.00	0.00	0.00	0.00	0.59	495.86
8	12.28	0.00	0.00	0.00	2.54	2141.44	8	12.28	0.00	0.00	0.00	1.49	1266.47	8	0.00	0.00	0.00	0.00	0.59	495.27
9	11.61	0.00	0.00	0.00	2.55	2150.50	9	11.61	0.00	0.00	0.00	1.50	1276.58	9	0.00	0.00	0.00	0.00	0.59	494.68
10	12.06	690.10	690.10	0.00	2.56	2160.00	10	12.06	0.00	690.10	0.00	1.51	597.03	10	0.00	0.00	0.00	0.00	0.59	494.09
11	12.50	0.00	0.00	0.00	2.58	2169.92	11	12.50	0.00	0.00	0.00	0.71	608.82	11	0.00	0.00	0.00	0.00	0.59	493.50
12	11.16	0.00	0.00	0.00	2.59	2178.49	12	11.16	0.00	0.00	0.00	0.72	619.26	12	0.00	0.00	0.00	0.00	0.59	492.91
13	9.76	0.00	0.00	0.00	2.59	2185.66	13	9.76	0.00	0.00	0.00	0.73	628.29	13	0.00	0.00	0.00	0.00	0.58	492.33
14	14.18	0.00	0.00	0.00	2.59	2197.25	14	14.18	0.00	0.00	0.00	0.74	641.73	14	0.00	0.00	0.00	0.00	0.58	491.75
15	20.46	0.00	0.00	0.00	2.61	2215.10	15	20.46	0.00	0.00	0.00	0.76	661.43	15	0.00	0.00	0.00	0.00	0.58	491.17
16	24.44	0.00	0.00	0.00	2.63	2236.91	16	24.44	0.00	0.00	0.00	0.78	685.09	16	0.00	0.00	0.00	0.00	0.58	490.59
17	35.68	0.00	0.00	0.00	2.66	2269.93	17	35.68	0.00	0.00	0.00	0.81	719.96	17	0.00	0.00	0.00	0.00	0.58	490.01
18	34.53	0.00	0.00	0.00	2.70	2301.76	18	34.53	0.00	0.00	0.00	0.85	753.64	18	0.00	0.00	0.00	0.00	0.58	489.43
19	15.07	0.00	0.00	0.00	2.74	2314.09	19	15.07	0.00	0.00	0.00	0.89	767.82	19	0.00	0.00	0.00	0.00	0.58	488.85
20	14.54	0.00	0.00	0.00	2.76	2325.87	20	14.54	0.00	0.00	0.00	0.91	781.45	20	0.00	0.00	0.00	0.00	0.58	488.27
21	14.22	0.00	0.00	0.00	2.76	2337.33	21	14.22	0.00	0.00	0.00	0.92	794.75	21	0.00	0.00	0.00	0.00	0.58	487.69
22	13.82	0.00	0.00	0.00	2.78	2348.37	22	13.82	0.00	0.00	0.00	0.94	807.63	22	0.00	0.00	0.00	0.00	0.58	487.11
23	12.96	0.00	0.00	0.00	2.81	2358.52	23	12.96	0.00	0.00	0.00	0.96	819.63	23	0.00	0.00	0.00	0.00	0.58	486.53
24	12.09	0.00	0.00	0.00	2.83	2367.78	24	12.09	0.00	0.00	0.00	0.98	830.74	24	0.00	0.00	0.00	0.00	0.58	485.95
25	12.29	0.00	0.00	0.00	1.37	2378.70	25	12.29	0.00	0.00	0.00	0.48	842.55	25	0.00	0.00	0.00	0.00	0.28	485.67
26	10.37	0.00	0.00	0.00	6.01	2383.06	26	10.37	0.00	0.00	0.00	2.12	850.80	26	0.00	0.00	0.00	0.00	1.22	484.45
27	9.57	0.00	0.00	0.00	1.48	2391.15	27	9.57	0.00	0.00	0.00	0.53	859.84	27	0.00	0.00	0.00	0.00	0.30	484.15
28	9																			

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						497.25							42.16							4.79
1	0.00	0.00	0.00	0.00	0.59	496.66	1	0.00	0.00	0.00	0.00	0.05	42.11	1	0.00	0.00	0.00	0.00	0.01	4.78
2	0.00	0.00	0.00	0.00	0.59	496.07	2	0.00	0.00	0.00	0.00	0.05	42.06	2	0.00	0.00	0.00	0.00	0.01	4.77
3	0.00	0.00	0.00	0.00	0.59	495.48	3	0.00	0.00	0.00	0.00	0.05	42.01	3	0.00	0.00	0.00	0.00	0.01	4.76
4	0.00	0.00	0.00	0.00	0.59	494.89	4	0.00	0.00	0.00	0.00	0.05	41.96	4	0.00	0.00	0.00	0.00	0.01	4.75
5	0.00	0.00	0.00	0.00	0.59	494.30	5	0.00	0.00	0.00	0.00	0.05	41.91	5	0.00	0.00	0.00	0.00	0.01	4.74
6	0.00	0.00	0.00	0.00	0.59	493.71	6	0.00	0.00	0.00	0.00	0.05	41.86	6	0.00	0.00	0.00	0.00	0.01	4.73
7	0.00	0.00	0.00	0.00	0.59	493.12	7	0.00	0.00	0.00	0.00	0.05	41.81	7	0.00	0.00	0.00	0.00	0.01	4.72
8	0.00	0.00	0.00	0.00	0.59	492.53	8	0.00	0.00	0.00	0.00	0.05	41.76	8	0.00	0.00	0.00	0.00	0.01	4.71
9	0.00	0.00	0.00	0.00	0.58	491.95	9	0.00	0.00	0.00	0.00	0.05	41.71	9	0.00	0.00	0.00	0.00	0.01	4.70
10	0.00	0.00	0.00	0.00	0.58	491.37	10	0.00	0.00	0.00	0.00	0.05	41.66	10	0.00	0.00	0.00	0.00	0.01	4.69
11	0.00	0.00	0.00	0.00	0.58	490.79	11	0.00	0.00	0.00	0.00	0.05	41.61	11	0.00	0.00	0.00	0.00	0.01	4.68
12	0.00	0.00	0.00	0.00	0.58	490.21	12	0.00	0.00	0.00	0.00	0.05	41.56	12	0.00	0.00	0.00	0.00	0.01	4.67
13	0.00	0.00	0.00	0.00	0.58	489.63	13	0.00	0.00	0.00	0.00	0.05	41.51	13	0.00	0.00	0.00	0.00	0.01	4.66
14	0.00	0.00	0.00	0.00	0.58	489.05	14	0.00	0.00	0.00	0.00	0.05	41.46	14	0.00	0.00	0.00	0.00	0.01	4.65
15	0.00	0.00	0.00	0.00	0.58	488.47	15	0.00	0.00	0.00	0.00	0.05	41.41	15	0.00	0.00	0.00	0.00	0.01	4.64
16	0.00	0.00	0.00	0.00	0.58	487.89	16	0.00	0.00	0.00	0.00	0.05	41.36	16	0.00	0.00	0.00	0.00	0.01	4.63
17	0.00	0.00	0.00	0.00	0.58	487.31	17	0.00	0.00	0.00	0.00	0.05	41.31	17	0.00	0.00	0.00	0.00	0.01	4.62
18	0.00	0.00	0.00	0.00	0.58	486.73	18	0.00	0.00	0.00	0.00	0.05	41.26	18	0.00	0.00	0.00	0.00	0.01	4.61
19	0.00	0.00	0.00	0.00	0.58	486.15	19	0.00	0.00	0.00	0.00	0.05	41.21	19	0.00	0.00	0.00	0.00	0.01	4.60
20	0.00	0.00	0.00	0.00	0.58	485.57	20	0.00	0.00	0.00	0.00	0.05	41.16	20	0.00	0.00	0.00	0.00	0.01	4.59
21	0.00	0.00	0.00	0.00	0.58	484.99	21	0.00	0.00	0.00	0.00	0.05	41.11	21	0.00	0.00	0.00	0.00	0.01	4.58
22	0.00	0.00	0.00	0.00	0.58	484.41	22	0.00	0.00	0.00	0.00	0.05	41.06	22	0.00	0.00	0.00	0.00	0.01	4.57
23	0.00	0.00	0.00	0.00	0.58	483.83	23	0.00	0.00	0.00	0.00	0.05	41.01	23	0.00	0.00	0.00	0.00	0.01	4.56
24	0.00	0.00	0.00	0.00	0.58	483.25	24	0.00	0.00	0.00	0.00	0.05	40.96	24	0.00	0.00	0.00	0.00	0.01	4.55
25	0.00	0.00	0.00	0.00	0.27	482.98	25	0.00	0.00	0.00	0.00	0.02	40.94	25	0.00	0.00	0.00	0.00	0.00	4.55
26	0.00	0.00	0.00	0.00	1.21	481.77	26	0.00	0.00	0.00	0.00	0.10	40.84	26	0.00	0.00	0.00	0.00	0.01	4.54
27	0.00	0.00	0.00	0.00	0.30	481.47	27	0.00	0.00	0.00	0.00	0.03	40.81	27	0.00	0.00	0.00	0.00	0.00	4.54
28	0.00	0.00	0.00	0.00	0.79	480.68	28	0.00	0.00	0.00	0.00	0.07	40.74	28	0.00	0.00	0.00	0.00	0.01	4.53
29	0.00	0.00	0.00	0.00	0.96	479.72	29	0.00	0.00	0.00	0.00	0.08	40.66	29	0.00	0.00	0.00	0.00	0.01	4.52
30	0.00	0.00	0.00	0.00	0.96	478.76	30	0.00	0.00	0.00	0.00	0.08	40.58	30	0.00	0.00	0.00	0.00	0.01	4.51
	0.00	0.00	0.00	0.00	18.49			0.00	0.00	0.00	0.00	1.58		0.00	0.00	0.00	0.00	0.00	0.28	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						455.09							206.73							0.00
1	0.00	0.00	0.00	0.00	0.54	454.55	1	0.00	0.00	0.00	0.00	0.25	206.48	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.54	454.01	2	0.00	0.00	0.00	0.00	0.25	206.23	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.54	453.47	3	0.00	0.00	0.00	0.00	0.25	205.98	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.54	452.93	4	0.00	0.00	0.00	0.00	0.24	205.74	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.54	452.39	5	0.00	0.00	0.00	0.00	0.24	205.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.54	451.85	6	0.00	0.00	0.00	0.00	0.24	205.26	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.54	451.31	7	0.00	0.00	0.00	0.00	0.24	205.02	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.54	450.77	8	0.00	0.00	0.00	0.00	0.24	204.78	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.53	450.24	9	0.00	0.00	0.00	0.00	0.24	204.54	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.53	449.71	10	0.00	0.00	0.00	0.00	0.24	204.30	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.53	449.18	11	0.00	0.00	0.00	0.00	0.24	204.06	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.53	448.65	12	0.00	0.00	0.00	0.00	0.24	203.82	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.53	448.12	13	0.00	0.00	0.00	0.00	0.24	203.58	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.53	447.59	14	0.00	0.00	0.00	0.00	0.24	203.34	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.53	447.06	15	0.00	0.00	0.00	0.00	0.24	203.10	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.53	446.53	16	0.00	0.00	0.00	0.00	0.24	202.86	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.53	446.00	17	0.00	0.00	0.00	0.00	0.24	202.62	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.53	445.47	18	0.00	0.00	0.00	0.00	0.24	202.38	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.53	444.94	19	0.00	0.00	0.00	0.00	0.24	202.14	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.53	444.41	20	0.00	0.00	0.00	0.00	0.24	201.90	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.53	443.88	21	0.00	0.00	0.00	0.00	0.24	201.66	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.53	443.35	22	0.00	0.00	0.00	0.00	0.24	201.42	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.53	442.82	23	0.00	0.00	0.00	0.00	0.24	201.18	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.53	442.29	24	0.00	0.00	0.00	0.00	0.24	200.94	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.25	442.04	25	0.00	0.00	0.00	0.00	0.12	200.82	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.11	440.93	26	0.00	0.00	0.00	0.00	0.51	200.31	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.27	440.66	27	0.00	0.00	0.00	0.00	0.12	200.19	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.72	439.94	28	0.00	0.00	0.00	0.00	0.33	199.86	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.88	439.06	29	0.00	0.00	0.00	0.00	0.40	199.46	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.88	438.18	30	0.00	0.00	0.00	0.00	0.40	199.06	30	0.00	0.00	0.00	0.00	0.00	0.00



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

September 2, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of May 2022 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 2022.



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 84.18 acre-feet of Fort Lyon Canal shares, 49.0 acre-feet of Highland Canal shares, and 316.18 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in May 2022 totaled 449.39 acre-feet.

On May 22, 2022, LAWMA transferred 1,831.21 acre-feet into the Downstream Consumable subaccount, 86.41 acre-feet into the Return Flow Transit Loss subaccount and 891.66 acre-feet into the Return Flow subaccount for a total of 2,809.28 acre-feet. On May 31, 2022, LAWMA transferred 773.12 acre-feet into the Downstream Consumable account, 40.62 acre-feet into the Return Flow Transit Loss subaccount and 437.98 acre-feet into the Return Flow subaccount, for a total of 1,251.72 acre-feet. Both of these transfers were from LAWMA's X-Y, Keesee, Stubbs and Sission Article II accounts. The total transferred into the Offset Account in May 2022 was 4,061.00 acre-feet.

There were unreplaced depletions at the stateline totaling 536.40 acre-feet after balancing the May accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas Pursuant to Paragraph 5 of the Resolution or by utilizing credit generated by a Kansas Offset Account Delivery.

On May 31, 2022, Kansas started a release of 70 cfs at 9:00 AM that continued until Thursday, June 9, 2022 at 5:00 PM. Kansas released 86.78 acre-feet from the Kansas Consumable subaccount for the month of May 31, 2022.

As of May 31, 2022, a total of 7,087.62 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of May 2022 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
May 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	577.34	269.91
2	BOOTH ORCHARD	2.79	1.40
3	EXCELSIOR	43.17	21.59
4	COLLIER	8.28	2.98
5	COLORADO	134.49	88.10
6	ROCKY FORD HIGHLINE	278.29	103.80
7	OXFORD	171.43	112.62
8	OTERO	28.22	10.16
9	CATLIN	499.07	220.58
10	FORT LYON US	976.54	434.25
11	ROCKY FORD	21.26	10.63
12	HOLBROOK	414.36	236.76
13	LAS ANIMAS CONSOLIDATED	93.24	40.11
14	BALDWIN-STUBBS	124.64	84.56
15	FORT BENT	104.06	54.43
17	AMITY	494.75	300.42
18	LAMAR/MANVEL	46.07	24.69
19	HYDE	56.91	28.64
20	FORT LYON DS	503.72	292.41
21	XY GRAHAM	404.33	260.31
22	BUFFALO	4.64	1.86
24	STATELINE SOLE SOURCE	997.52	748.05
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	9.78	7.34
	Totals	5994.90	3355.60

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
May 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
46.12	30.38	0.00	293.76	24.69	28.64	280.49	260.31	1.86	0.00	747.71	1713.96

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
May 2022

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	210.11	724.59	16.94	951.64	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	172.08	593.44	13.88	779.40	
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	16.75	0.00	0.00	0.00					16.75	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0			0.00	58.80					58.80	0.00
Lamar Granada East/West								73.49		73.49	0.00
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0									0.00	0
XY Direct Flow	0				0.00	94.46				94.46	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	-2319.62								536.40	536.40	-2856.02
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	16.75	0.00	0.00	0.00	58.80	94.46	0.00	73.49	536.40	779.90
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 536.40 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided or utilizing a credit generated by a Kansas Offset Account Delivery.

Enclosure 1

John Martin Offset Accounting for May 2022

Offset Account

May 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2884.15							203.57							845.29
1	8.88	0.00	0.00	0.00	5.95	2887.08	1	0.00	0.00	0.00	0.00	0.42	203.15	1	0.00	0.00	0.00	0.00	1.74	843.55
2	12.25	0.00	0.00	0.00	1.68	2897.65	2	0.00	0.00	0.00	0.00	0.12	203.03	2	0.00	0.00	0.00	0.00	0.49	843.06
3	11.79	0.00	0.00	0.00	4.58	2904.86	3	0.00	0.00	0.00	0.00	0.32	202.71	3	0.00	0.00	0.00	0.00	1.33	841.73
4	17.51	0.00	0.00	0.00	2.63	2919.74	4	0.00	0.00	0.00	0.00	0.18	202.53	4	0.00	0.00	0.00	0.00	0.76	840.97
5	16.48	0.00	0.00	0.00	0.93	2935.29	5	0.00	0.00	0.00	0.00	0.06	202.47	5	0.00	0.00	0.00	0.00	0.27	840.70
6	18.38	0.00	0.00	0.00	6.34	2947.33	6	0.00	0.00	0.00	0.00	0.44	202.03	6	0.00	0.00	0.00	0.00	1.81	838.89
7	24.13	0.00	0.00	0.00	6.39	2965.07	7	0.00	0.00	0.00	0.00	0.44	201.59	7	0.00	0.00	0.00	0.00	1.81	837.08
8	22.76	0.00	0.00	0.00	6.32	2981.51	8	0.00	0.00	0.00	0.00	0.43	201.16	8	0.00	0.00	0.00	0.00	1.78	835.30
9	21.18	0.00	0.00	0.00	7.92	2994.77	9	0.00	0.00	0.00	0.00	0.53	200.63	9	0.00	0.00	0.00	0.00	2.21	833.09
10	17.87	0.00	0.00	0.00	6.20	3006.44	10	0.00	0.00	0.00	0.00	0.42	200.21	10	0.00	0.00	0.00	0.00	1.72	831.37
11	16.36	0.00	0.00	0.00	10.89	3011.91	11	0.00	0.00	0.00	0.00	0.73	199.48	11	0.00	0.00	0.00	0.00	3.00	828.37
12	13.91	0.00	0.00	0.00	11.04	3014.78	12	0.00	0.00	0.00	0.00	0.73	198.75	12	0.00	0.00	0.00	0.00	3.03	825.34
13	10.48	0.00	0.00	0.00	6.05	3019.21	13	0.00	0.00	0.00	0.00	0.40	198.35	13	0.00	0.00	0.00	0.00	1.65	823.69
14	18.04	0.00	0.00	0.00	6.14	3031.11	14	0.00	0.00	0.00	0.00	0.40	197.95	14	0.00	0.00	0.00	0.00	1.67	822.02
15	23.67	0.00	0.00	0.00	6.22	3048.56	15	0.00	0.00	0.00	0.00	0.41	197.54	15	0.00	0.00	0.00	0.00	1.68	820.34
16	15.20	0.00	0.00	0.00	6.78	3056.98	16	0.00	0.00	0.00	0.00	0.44	197.10	16	0.00	0.00	0.00	0.00	1.82	818.52
17	10.47	0.00	0.00	0.00	8.94	3058.51	17	0.00	0.00	0.00	0.00	0.57	196.53	17	0.00	0.00	0.00	0.00	2.39	816.13
18	10.44	0.00	0.00	0.00	4.97	3063.98	18	0.00	0.00	0.00	0.00	0.32	196.21	18	0.00	0.00	0.00	0.00	1.32	814.81
19	10.56	0.00	0.00	0.00	8.93	3065.61	19	0.00	0.00	0.00	0.00	0.57	195.64	19	0.00	0.00	0.00	0.00	2.37	812.44
20	10.45	0.00	0.00	0.00	3.93	3072.13	20	0.00	0.00	0.00	0.00	0.25	195.39	20	0.00	0.00	0.00	0.00	1.04	811.40
21	10.48	0.00	0.00	0.00	3.99	3078.62	21	0.00	0.00	0.00	0.00	0.26	195.13	21	0.00	0.00	0.00	0.00	1.05	810.35
22	10.49	2809.28	0.00	0.00	4.00	5894.39	22	0.00	0.00	0.00	0.00	0.26	194.87	22	0.00	0.00	0.00	0.00	1.05	809.30
23	10.49	0.00	0.00	0.00	9.98	5894.90	23	0.00	0.00	0.00	0.00	0.33	194.54	23	0.00	0.00	0.00	0.00	1.37	807.93
24	16.92	0.00	0.00	0.00	10.01	5901.81	24	0.00	0.00	0.00	0.00	0.33	194.21	24	0.00	0.00	0.00	0.00	1.37	806.56
25	11.54	0.00	0.00	0.00	8.13	5905.22	25	0.00	0.00	0.00	0.00	0.27	193.94	25	0.00	0.00	0.00	0.00	1.11	805.45
26	12.33	0.00	0.00	0.00	12.46	5905.09	26	0.00	0.00	0.00	0.00	0.41	193.53	26	0.00	0.00	0.00	0.00	1.70	803.75
27	12.40	0.00	0.00	0.00	9.46	5908.03	27	0.00	0.00	0.00	0.00	0.31	193.22	27	0.00	0.00	0.00	0.00	1.29	802.46
28	16.99	0.00	0.00	0.00	9.50	5915.52	28	0.00	0.00	0.00	0.00	0.31	192.91	28	0.00	0.00	0.00	0.00	1.29	801.17
29	15.13	0.00	0.00	0.00	9.55	5921.10	29	0.00	0.00	0.00	0.00	0.31	192.60	29	0.00	0.00	0.00	0.00	1.29	799.88
30	11.18	0.00	0.00	0.00	9.25	5923.03	30	0.00	0.00	0.00	0.00	0.30	192.30	30	0.00	0.00	0.00	0.00	1.25	798.63
31	10.60	1251.72	0.00	86.78	10.95	7087.62	31	0.00	0.00	0.00	0.00	0.36	191.94	31	0.00	0.00	0.00	86.78	1.47	710.38
449.36	4061.00	0.00	86.78	220.11			0.00	0.00	0.00	0.00	11.63		0.00	0.00	0.00	86.78	48.13			

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2405.39							882.78							481.41
1	8.88	0.00	0.00	0.00	4.97	2409.30	1	8.88	0.00	0.00	0.00	1.82	889.84	1	0.00	0.00	0.00	0.00	0.99	480.42
2	12.25	0.00	0.00	0.00	1.41	2420.14	2	12.25	0.00	0.00	0.00	0.52	901.57	2	0.00	0.00	0.00	0.00	0.28	480.14
3	11.79	0.00	0.00	0.00	3.83	2428.10	3	11.79	0.00	0.00	0.00	1.42	911.94	3	0.00	0.00	0.00	0.00	0.76	479.38
4	17.51	0.00	0.00	0.00	2.20	2443.41	4	17.51	0.00	0.00	0.00	0.83	928.62	4	0.00	0.00	0.00	0.00	0.43	478.95
5	16.48	0.00	0.00	0.00	0.78	2459.11	5	16.48	0.00	0.00	0.00	0.30	944.80	5	0.00	0.00	0.00	0.00	0.15	478.80
6	18.38	0.00	0.00	0.00	5.31	2472.18	6	18.38	0.00	0.00	0.00	2.03	961.15	6	0.00	0.00	0.00	0.00	1.03	477.77
7	24.13	0.00	0.00	0.00	5.36	2490.95	7	24.13	0.00	0.00	0.00	2.08	983.20	7	0.00	0.00	0.00	0.00	1.03	476.74
8	22.76	0.00	0.00	0.00	5.31	2508.40	8	22.76	0.00	0.00	0.00	2.09	1003.87	8	0.00	0.00	0.00	0.00	1.01	475.73
9	21.18	0.00	0.00	0.00	6.66	2522.92	9	21.18	0.00	0.00	0.00	2.66	1022.39	9	0.00	0.00	0.00	0.00	1.26	474.47
10	17.87	0.00	0.00	0.00	5.23	2535.56	10	17.87	0.00	0.00	0.00	2.11	1038.15	10	0.00	0.00	0.00	0.00	0.98	473.49
11	16.36	0.00	0.00	0.00	9.19	2542.73	11	16.36	0.00	0.00	0.00	3.75	1050.76	11	0.00	0.00	0.00	0.00	1.71	471.78
12	13.91	0.00	0.00	0.00	9.32	2547.32	12	13.91	0.00	0.00	0.00	3.84	1060.83	12	0.00	0.00	0.00	0.00	1.72	470.06
13	10.48	0.00	0.00	0.00	5.11	2552.69	13	10.48	0.00	0.00	0.00	2.12	1069.19	13	0.00	0.00	0.00	0.00	0.94	469.12
14	18.04	0.00	0.00	0.00	5.19	2565.54	14	18.04	0.00	0.00	0.00	2.17	1085.06	14	0.00	0.00	0.00	0.00	0.95	468.17
15	23.67	0.00	0.00	0.00	5.27	2583.94	15	23.67	0.00	0.00	0.00	2.22	1106.51	15	0.00	0.00	0.00	0.00	0.96	467.21
16	15.20	0.00	0.00	0.00	5.75	2593.39	16	15.20	0.00	0.00	0.00	2.45	1119.26	16	0.00	0.00	0.00	0.00	1.04	466.17
17	10.47	0.00	0.00	0.00	7.59	2596.27	17	10.47	0.00	0.00	0.00	3.27	1126.46	17	0.00	0.00	0.00	0.00	1.36	464.81
18	10.44	0.00	0.00	0.00	4.22	2602.49	18	10.44	0.00	0.00	0.00	1.83	1135.07	18	0.00	0.00	0.00	0.00	0.75	464.06
19	10.56	0.00	0.00	0.00	7.59	2605.46	19	10.56	0.00	0.00	0.00	3.30	1142.33	19	0.00	0.00	0.00	0.00	1.35	462.71
20	10.45	0.00	0.00	0.00	3.34	2612.57	20	10.45	0.00	0.00	0.00	1.46	1151.32	20	0.00	0.00	0.00	0.00	0.59	462.12
21	10.48	0.00	0.00	0.00	3.40	2619.65	21	10.48	0.00	0.00	0.00	1.49	1160.31	21	0.00	0.00	0.00	0.00	0.60	461.52
22	10.49	1831.21	0.00	0.00	3.41	4457.94	22	10.49	1831.21	0.00	0.00	1.50	3000.51	22	0.00	0.00	0.00	0.00	0.60	460.92
23	10.49	0.00	0.00	0.00	7.55	4460.88	23	10.49	0.00	0.00	0.00	5.07	3005.93	23	0.00	0.00	0.00	0.00	0.78	460.14
24	16.92	0.00	0.00	0.00	7.58	4470.22	24	16.92	0.00	0.00	0.00	5.10	3017.75	24	0.00	0.00	0.00	0.00	0.78	459.36
25	11.54	0.00	0.00	0.00	6.16	4475.60	25	11.54	0.00	0.00	0.00	4.15	3025.14	25	0.00	0.00	0.00	0.00	0.63	458.73
26	12.33	0.00	0.00	0.00	9.45	4478.48	26	12.33	0.00	0.00	0.00	6.37	3031.10	26	0.00	0.00	0.00	0.00	0.97	457.76
27	12.40	0.00	0.00	0.00	7.18	4483.70	27	12.40	0.00	0.00	0.00	4.85	3038.65	27	0.00	0.00	0.00	0.00	0.73	457.03
28	16.99	0.																		



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

September 2, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of June 2022 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 2022.



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 182.96 acre-feet of Fort Lyon Canal shares, 9.14 acre-feet of Highland Canal shares, and 315.12 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. Colorado Springs Utilities (CS-U) also delivered 250 acre-feet from Lake Meredith on behalf of LAWMA into the Consumable Downstream subaccount starting on June 1, 2022 and ending on June 2, 2022. The amount delivered into the Offset Account in June 2022 totaled 757.22 acre-feet.

On June 30, 2022, LAWMA transferred 1,372.22 acre-feet from the Downstream Consumable subaccount into the Kansas Consumable to replace stateline depletions as a result of the 2021 H-I Model results. The total transferred within the Offset Account in June 2022 was 1,372.22 acre-feet.

On May 31, 2022, Kansas started a release of 70 cfs at 9:00 AM that continued until Thursday, June 9, 2022 at 5:00 PM. Kansas began another release of 70 cfs at 9:00 AM that continued until Wednesday, August 4, 2022. Kansas released 707.20 acre-feet from the Kansas Consumable subaccount and 2,393.78 acre-feet from the Downstream Consumable subaccount for a total of 3,100.98 acre-feet released in the month of June 2022.

As of June 30, 2022, a total of 2,534.90 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of June 2022 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

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Bill Tyner
Joseph Regur
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
June 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	961.42	423.50
2	BOOTH ORCHARD	7.66	3.84
3	EXCELSIOR	57.69	28.85
4	COLLIER	8.95	3.22
5	COLORADO	177.42	113.16
6	ROCKY FORD HIGHLINE	377.48	152.17
7	OXFORD	132.57	57.64
8	OTERO	52.35	18.84
9	CATLIN	494.77	212.10
10	FORT LYON US	738.27	332.66
11	ROCKY FORD	33.32	16.67
12	HOLBROOK	447.74	291.85
13	LAS ANIMAS CONSOLIDATED	117.21	49.79
14	BALDWIN-STUBBS	236.94	123.18
15	FORT BENT	119.10	62.71
17	AMITY	540.52	324.51
18	LAMAR/MANVEL	36.43	25.43
19	HYDE	37.09	27.82
20	FORT LYON DS	571.71	331.80
21	XY GRAHAM	446.74	286.27
22	BUFFALO	1.40	0.56
24	STATELINE SOLE SOURCE	1661.06	1239.33
601	LAWMA A.P.D.	7.45	2.68
602	LAWMA A.P.D.	14.30	10.72
	Totals	7279.59	4139.30

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
June 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
3.17	35.02	0.00	310.44	25.43	27.82	323.16	286.27	0.56	0.00	1239.33	2251.20

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
June 2022

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	222.49	757.88	18.60	998.97	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	182.22	620.70	15.23	818.16	
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	41.81	0.00	46.51	0.00					88.32	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0			286.22	251.51					537.73	0.00
Lamar Granada East/West								0.00		0.00	0
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0									0.00	0.00
XY Direct Flow	0				0.00	867.79				867.79	0.00
Manvel Direct Flow	0				33.80					33.80	0.00
Offset Account Release Credit	-2856.02									0.00	-1152.55
Offset Account Transit Loss	0	0.00		0.00			161.60			161.60	0
Offset Account Water	0	0								0.00	0
Total Replacements	0	41.81	0.00	46.51	286.22	285.31	867.79	161.60	0.00	0.00	1689.24
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. Preliminary credits from the Kansas release resulted in 1,703.47 acre-feet of stateline credits in the month of June 2022.

Enclosure 1

John Martin Offset Accounting for June 2022

Offset Account

June 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
7087.62							191.94							710.38						
1	218.40	0.00	0.00	138.85	7.98	7159.19	1	0.00	0.00	0.00	0.00	0.21	191.73	1	0.00	0.00	0.00	138.85	0.80	570.73
2	51.75	0.00	0.00	138.85	7.60	7064.49	2	0.00	0.00	0.00	0.00	0.20	191.53	2	0.00	0.00	0.00	138.85	0.61	431.27
3	10.05	0.00	0.00	138.85	13.98	6921.71	3	0.00	0.00	0.00	0.00	0.38	191.15	3	0.00	0.00	0.00	138.85	0.85	291.57
4	10.00	0.00	0.00	138.85	13.86	6779.00	4	0.00	0.00	0.00	0.00	0.38	190.77	4	0.00	0.00	0.00	138.85	0.58	152.14
5	9.91	0.00	0.00	138.85	13.75	6636.31	5	0.00	0.00	0.00	0.00	0.39	190.38	5	0.00	0.00	0.00	138.85	0.31	12.98
6	12.71	0.00	0.00	138.85	15.22	6494.95	6	0.00	0.00	0.00	0.00	0.44	189.94	6	0.00	0.00	0.00	12.95	0.03	0.00
7	16.11	0.00	0.00	138.85	15.00	6357.21	7	0.00	0.00	0.00	0.00	0.44	189.50	7	0.00	0.00	0.00	0.00	0.00	0.00
8	33.65	0.00	0.00	138.85	14.48	6237.53	8	0.00	0.00	0.00	0.00	0.43	189.07	8	0.00	0.00	0.00	0.00	0.00	0.00
9	51.54	0.00	0.00	98.35	8.63	6182.09	9	0.00	0.00	0.00	0.00	0.27	188.80	9	0.00	0.00	0.00	0.00	0.00	0.00
10	30.87	0.00	0.00	0.00	14.44	6198.52	10	0.00	0.00	0.00	0.00	0.44	188.36	10	0.00	0.00	0.00	0.00	0.00	0.00
11	26.95	0.00	0.00	0.00	14.48	6210.99	11	0.00	0.00	0.00	0.00	0.44	187.92	11	0.00	0.00	0.00	0.00	0.00	0.00
12	38.91	0.00	0.00	0.00	14.51	6235.39	12	0.00	0.00	0.00	0.00	0.44	187.48	12	0.00	0.00	0.00	0.00	0.00	0.00
13	21.72	0.00	0.00	0.00	35.94	6221.17	13	0.00	0.00	0.00	0.00	1.08	186.40	13	0.00	0.00	0.00	0.00	0.00	0.00
14	17.90	0.00	0.00	0.00	17.35	6221.72	14	0.00	0.00	0.00	0.00	0.52	185.88	14	0.00	0.00	0.00	0.00	0.00	0.00
15	13.62	0.00	0.00	0.00	11.72	6223.62	15	0.00	0.00	0.00	0.00	0.35	185.53	15	0.00	0.00	0.00	0.00	0.00	0.00
16	11.39	0.00	0.00	0.00	24.00	6211.01	16	0.00	0.00	0.00	0.00	0.72	184.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	11.23	0.00	0.00	86.78	14.98	6120.48	17	0.00	0.00	0.00	0.00	0.45	184.36	17	0.00	0.00	0.00	0.00	0.00	0.00
18	11.08	0.00	0.00	138.85	14.91	5977.80	18	0.00	0.00	0.00	0.00	0.45	183.91	18	0.00	0.00	0.00	0.00	0.00	0.00
19	10.71	0.00	0.00	138.85	14.73	5834.93	19	0.00	0.00	0.00	0.00	0.45	183.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	10.52	0.00	0.00	138.85	14.56	5692.04	20	0.00	0.00	0.00	0.00	0.46	183.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	32.95	0.00	0.00	138.85	14.41	5571.73	21	0.00	0.00	0.00	0.00	0.46	182.54	21	0.00	0.00	0.00	0.00	0.00	0.00
22	25.35	0.00	0.00	138.85	1.08	5457.15	22	0.00	0.00	0.00	0.00	0.03	182.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	10.62	0.00	0.00	138.85	23.21	5305.71	23	0.00	0.00	0.00	0.00	0.78	181.73	23	0.00	0.00	0.00	0.00	0.00	0.00
24	10.60	0.00	0.00	138.85	16.39	5161.07	24	0.00	0.00	0.00	0.00	0.56	181.17	24	0.00	0.00	0.00	0.00	0.00	0.00
25	9.78	0.00	0.00	138.85	15.99	5016.01	25	0.00	0.00	0.00	0.00	0.56	180.61	25	0.00	0.00	0.00	0.00	0.00	0.00
26	9.78	0.00	0.00	138.85	15.62	4871.32	26	0.00	0.00	0.00	0.00	0.56	180.05	26	0.00	0.00	0.00	0.00	0.00	0.00
27	9.78	0.00	0.00	138.85	22.49	4719.76	27	0.00	0.00	0.00	0.00	0.83	179.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	9.78	0.00	0.00	138.85	12.12	4578.57	28	0.00	0.00	0.00	0.00	0.46	178.76	28	0.00	0.00	0.00	0.00	0.00	0.00
29	9.78	0.00	0.00	138.85	15.85	4433.65	29	0.00	0.00	0.00	0.00	0.61	178.15	29	0.00	0.00	0.00	0.00	0.00	0.00
30	9.78	1372.22	1372.22	138.85	20.04	4284.54	30	0.00	0.00	0.00	0.00	0.81	177.34	30	0.00	1372.22	0.00	0.00	0.00	1372.22
757.22 1372.22 1372.22 3100.98 459.32							0.00 0.00 0.00 0.00 14.60							0.00 1372.22 0.00 707.20 3.18						
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
5194.10							3845.43							454.01						
1	218.40	0.00	0.00	138.85	5.85	5267.80	1	218.40	0.00	0.00	0.00	4.33	4059.50	1	0.00	0.00	0.00	0.00	0.51	453.50
2	51.75	0.00	0.00	138.85	5.60	5175.10	2	51.75	0.00	0.00	0.00	4.31	4106.94	2	0.00	0.00	0.00	0.00	0.48	453.02
3	10.05	0.00	0.00	138.85	10.25	5036.05	3	10.05	0.00	0.00	0.00	8.12	4108.87	3	0.00	0.00	0.00	0.00	0.90	452.12
4	10.00	0.00	0.00	138.85	10.08	4897.12	4	10.00	0.00	0.00	0.00	8.22	4110.65	4	0.00	0.00	0.00	0.00	0.90	451.22
5	9.91	0.00	0.00	138.85	9.94	4758.24	5	9.91	0.00	0.00	0.00	8.33	4112.23	5	0.00	0.00	0.00	0.00	0.91	450.31
6	12.71	0.00	0.00	138.85	10.92	4621.18	6	12.71	0.00	0.00	125.90	9.42	3989.62	6	0.00	0.00	0.00	0.00	1.03	449.28
7	16.11	0.00	0.00	138.85	10.68	4487.76	7	16.11	0.00	0.00	138.85	9.20	3857.68	7	0.00	0.00	0.00	0.00	1.04	448.24
8	33.65	0.00	0.00	138.85	10.23	4372.33	8	33.65	0.00	0.00	138.85	8.78	3743.70	8	0.00	0.00	0.00	0.00	1.02	447.22
9	51.54	0.00	0.00	98.35	6.06	4319.46	9	51.54	0.00	0.00	98.35	5.17	3691.72	9	0.00	0.00	0.00	0.00	0.62	446.60
10	30.87	0.00	0.00	0.00	10.09	4340.24	10	30.87	0.00	0.00	0.00	8.61	3713.98	10	0.00	0.00	0.00	0.00	1.04	445.56
11	26.95	0.00	0.00	0.00	10.14	4357.05	11	26.95	0.00	0.00	0.00	8.66	3732.27	11	0.00	0.00	0.00	0.00	1.04	444.52
12	38.91	0.00	0.00	0.00	10.19	4385.77	12	38.91	0.00	0.00	0.00	8.71	3762.47	12	0.00	0.00	0.00	0.00	1.04	443.48
13	21.72	0.00	0.00	0.00	25.29	4382.20	13	21.72	0.00	0.00	0.00	21.66	3762.53	13	0.00	0.00	0.00	0.00	2.55	440.93
14	17.90	0.00	0.00	0.00	12.23	4387.87	14	17.90	0.00	0.00	0.00	10.48	3769.95	14	0.00	0.00	0.00	0.00	1.23	439.70
15	13.62	0.00	0.00	0.00	8.27	4393.22	15	13.62	0.00	0.00	0.00	7.09	3776.48	15	0.00	0.00	0.00	0.00	0.83	438.87
16	11.39	0.00	0.00	0.00	16.95	4387.66	16	11.39	0.00	0.00	0.00	14.54	3773.33	16	0.00	0.00	0.00	0.00	1.69	437.18
17	11.23	0.00	0.00	86.78	10.59	4301.52	17	11.23	0.00	0.00	86.78	9.09	3688.69	17	0.00	0.00	0.00	0.00	1.05	436.13
18	11.08	0.00	0.00	138.85	10.49	4163.26	18	11.08	0.00	0.00	138.85	8.98	3551.94	18	0.00	0.00	0.00	0.00	1.06	435.07
19	10.71	0.00	0.00	138.85	10.26	4024.86	19	10.71	0.00	0.00	138.85	8.74	3415.06	19	0.00	0.00	0.00	0.00	1.07	434.00
20	10.52	0.00	0.00	138.85	10.05	3886.48	20	10.52	0.00	0.00	138.85	8.51	3278.22	20	0.00	0.00	0.00	0.00	1.08	432.92
21	32.95	0.00	0.00	138.85	9.84	3770.74	21	32.95	0.00	0.00	138.85	8.29	3164.03	21	0.00	0.00	0.00	0.00	1.09	431.83
22	25.35	0.00	0.00	138.85	0.73	3656.51	22	25.35	0.00	0.00	138.85	0.62	3049.91	22	0.00	0.00	0.00	0.00	0.08	431.75
23	10.62	0.00	0.00	138.85	15.56	3512.72	23	10.62	0.00	0.00	138.85	12.95	2908.73	23	0.00	0.00	0.00	0.00	1.83	429.92
24	10.60	0.00	0.00	138.85	10.86	3373.61	24	10.60	0.00	0.00	138.85	8.97	2771.51	24	0.00	0.00	0.00	0.00	1.33	428.59
25	9.78	0.00	0.00	138.85	10.46	3234.08	25	9.78	0.00	0.00	138.85	8.57	2633.87	25	0.00	0.00	0.00	0.00	1.33	427.26
26	9.78	0.00	0.00	138.85	10.08	3094.93	26	9.78	0.00	0.00	138.85	8.19	2496.61	26	0.00	0.00	0.00	0.00	1.33	425.93
27	9.78	0.00	0.00	138.85	14.30	2951.56	27	9.78	0.00	0.00	138.85	11.51	2356.03	27	0.00	0.00	0.00	0.00	1.96	423.97
28	9.78	0.00	0.00	138.85	7.59	2814.90	28	9.78	0.00	0.00	138.85	6.04	2220.92	28	0.00	0.00	0.00	0.00	1.09	422.88
29	9.78	0.00	0.00	138.85	9.75	2676.08	29	9.78	0.00	0.00	138.85	7.68	2084.17	2						

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1893.52							164.02							4.21
1	0.00	0.00	0.00	0.00	2.13	1891.39	1	0.00	0.00	0.00	0.00	0.18	163.84	1	0.00	0.00	0.00	0.00	0.00	4.21
2	0.00	0.00	0.00	0.00	2.00	1889.39	2	0.00	0.00	0.00	0.00	0.17	163.67	2	0.00	0.00	0.00	0.00	0.00	4.21
3	0.00	0.00	0.00	0.00	3.73	1885.66	3	0.00	0.00	0.00	0.00	0.32	163.35	3	0.00	0.00	0.00	0.00	0.01	4.20
4	0.00	0.00	0.00	0.00	3.78	1881.88	4	0.00	0.00	0.00	0.00	0.33	163.02	4	0.00	0.00	0.00	0.00	0.01	4.19
5	0.00	0.00	0.00	0.00	3.81	1878.07	5	0.00	0.00	0.00	0.00	0.33	162.69	5	0.00	0.00	0.00	0.00	0.01	4.18
6	0.00	0.00	0.00	0.00	4.30	1873.77	6	0.00	0.00	0.00	0.00	0.37	162.32	6	0.00	0.00	0.00	0.00	0.01	4.17
7	0.00	0.00	0.00	0.00	4.32	1869.45	7	0.00	0.00	0.00	0.00	0.37	161.95	7	0.00	0.00	0.00	0.00	0.01	4.16
8	0.00	0.00	0.00	0.00	4.25	1865.20	8	0.00	0.00	0.00	0.00	0.37	161.58	8	0.00	0.00	0.00	0.00	0.01	4.15
9	0.00	0.00	0.00	0.00	2.57	1862.63	9	0.00	0.00	0.00	0.00	0.22	161.36	9	0.00	0.00	0.00	0.00	0.01	4.14
10	0.00	0.00	0.00	0.00	4.35	1858.28	10	0.00	0.00	0.00	0.00	0.38	160.98	10	0.00	0.00	0.00	0.00	0.01	4.13
11	0.00	0.00	0.00	0.00	4.34	1853.94	11	0.00	0.00	0.00	0.00	0.38	160.60	11	0.00	0.00	0.00	0.00	0.01	4.12
12	0.00	0.00	0.00	0.00	4.32	1849.62	12	0.00	0.00	0.00	0.00	0.37	160.23	12	0.00	0.00	0.00	0.00	0.01	4.11
13	0.00	0.00	0.00	0.00	10.65	1838.97	13	0.00	0.00	0.00	0.00	0.92	159.31	13	0.00	0.00	0.00	0.00	0.02	4.09
14	0.00	0.00	0.00	0.00	5.12	1833.85	14	0.00	0.00	0.00	0.00	0.44	158.87	14	0.00	0.00	0.00	0.00	0.01	4.08
15	0.00	0.00	0.00	0.00	3.45	1830.40	15	0.00	0.00	0.00	0.00	0.30	158.57	15	0.00	0.00	0.00	0.00	0.01	4.07
16	0.00	0.00	0.00	0.00	7.05	1823.35	16	0.00	0.00	0.00	0.00	0.61	157.96	16	0.00	0.00	0.00	0.00	0.02	4.05
17	0.00	0.00	0.00	0.00	4.39	1818.96	17	0.00	0.00	0.00	0.00	0.38	157.58	17	0.00	0.00	0.00	0.00	0.01	4.04
18	0.00	0.00	0.00	0.00	4.42	1814.54	18	0.00	0.00	0.00	0.00	0.38	157.20	18	0.00	0.00	0.00	0.00	0.01	4.03
19	0.00	0.00	0.00	0.00	4.47	1810.07	19	0.00	0.00	0.00	0.00	0.39	156.81	19	0.00	0.00	0.00	0.00	0.01	4.02
20	0.00	0.00	0.00	0.00	4.51	1805.56	20	0.00	0.00	0.00	0.00	0.39	156.42	20	0.00	0.00	0.00	0.00	0.01	4.01
21	0.00	0.00	0.00	0.00	4.57	1800.99	21	0.00	0.00	0.00	0.00	0.40	156.02	21	0.00	0.00	0.00	0.00	0.01	4.00
22	0.00	0.00	0.00	0.00	0.35	1800.64	22	0.00	0.00	0.00	0.00	0.03	155.99	22	0.00	0.00	0.00	0.00	0.00	4.00
23	0.00	0.00	0.00	0.00	7.65	1792.99	23	0.00	0.00	0.00	0.00	0.66	155.33	23	0.00	0.00	0.00	0.00	0.02	3.98
24	0.00	0.00	0.00	0.00	5.53	1787.46	24	0.00	0.00	0.00	0.00	0.48	154.85	24	0.00	0.00	0.00	0.00	0.01	3.97
25	0.00	0.00	0.00	0.00	5.53	1781.93	25	0.00	0.00	0.00	0.00	0.48	154.37	25	0.00	0.00	0.00	0.00	0.01	3.96
26	0.00	0.00	0.00	0.00	5.54	1776.39	26	0.00	0.00	0.00	0.00	0.48	153.89	26	0.00	0.00	0.00	0.00	0.01	3.95
27	0.00	0.00	0.00	0.00	8.19	1768.20	27	0.00	0.00	0.00	0.00	0.71	153.18	27	0.00	0.00	0.00	0.00	0.02	3.93
28	0.00	0.00	0.00	0.00	4.53	1763.67	28	0.00	0.00	0.00	0.00	0.39	152.79	28	0.00	0.00	0.00	0.00	0.01	3.92
29	0.00	0.00	0.00	0.00	6.10	1757.57	29	0.00	0.00	0.00	0.00	0.53	152.26	29	0.00	0.00	0.00	0.00	0.01	3.91
30	0.00	0.00	0.00	0.00	7.93	1749.64	30	0.00	0.00	0.00	0.00	0.69	151.57	30	0.00	0.00	0.00	0.00	0.02	3.89
	0.00	0.00	0.00	0.00	143.88			0.00	0.00	0.00	0.00	12.45		0.00	0.00	0.00	0.00	0.00	0.32	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1729.50							187.73							0.00
1	0.00	0.00	0.00	0.00	1.95	1727.55	1	0.00	0.00	0.00	0.00	0.21	187.52	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.83	1725.72	2	0.00	0.00	0.00	0.00	0.20	187.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.41	1722.31	3	0.00	0.00	0.00	0.00	0.37	186.95	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	3.45	1718.86	4	0.00	0.00	0.00	0.00	0.37	186.58	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	3.48	1715.38	5	0.00	0.00	0.00	0.00	0.38	186.20	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	3.93	1711.45	6	0.00	0.00	0.00	0.00	0.43	185.77	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.95	1707.50	7	0.00	0.00	0.00	0.00	0.43	185.34	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	3.88	1703.62	8	0.00	0.00	0.00	0.00	0.42	184.92	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	2.35	1701.27	9	0.00	0.00	0.00	0.00	0.26	184.66	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	3.97	1697.30	10	0.00	0.00	0.00	0.00	0.43	184.23	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	3.96	1693.34	11	0.00	0.00	0.00	0.00	0.43	183.80	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	3.95	1689.39	12	0.00	0.00	0.00	0.00	0.43	183.37	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	9.73	1679.66	13	0.00	0.00	0.00	0.00	1.06	182.31	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	4.68	1674.98	14	0.00	0.00	0.00	0.00	0.51	181.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	3.15	1671.83	15	0.00	0.00	0.00	0.00	0.34	181.46	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	6.44	1665.39	16	0.00	0.00	0.00	0.00	0.70	180.76	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	4.01	1661.38	17	0.00	0.00	0.00	0.00	0.44	180.32	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	4.04	1657.34	18	0.00	0.00	0.00	0.00	0.44	179.88	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	4.08	1653.26	19	0.00	0.00	0.00	0.00	0.44	179.44	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	4.12	1649.14	20	0.00	0.00	0.00	0.00	0.45	178.99	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.17	1644.97	21	0.00	0.00	0.00	0.00	0.45	178.54	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	1644.65	22	0.00	0.00	0.00	0.00	0.03	178.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	6.99	1637.66	23	0.00	0.00	0.00	0.00	0.76	177.75	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	5.05	1632.61	24	0.00	0.00	0.00	0.00	0.55	177.20	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.05	1627.56	25	0.00	0.00	0.00	0.00	0.55	176.65	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	5.06	1622.50	26	0.00	0.00	0.00	0.00	0.55	176.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	7.48	1615.02	27	0.00	0.00	0.00	0.00	0.81	175.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	4.14	1610.88	28	0.00	0.00	0.00	0.00	0.45	174.84	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	5.57	1605.31	29	0.00	0.00	0.00	0.00	0.60	174.24	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	7.24	1598.07	30	0.00	0.00	0.00	0.00	0.79								



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

September 2, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of July 2022 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 2022.



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 9.49 acre-feet of Fort Lyon Canal shares, 582.50 acre-feet of Highland Canal shares, and 307.21 acre-feet of Keesee Ditch shares to the Consumable Downstream subaccount. Catlin Augmentation Association (CAA) delivered 97.79 acre-feet into the CAA Consumable Upstream subaccount from Lake Meredith between July 10, 2022 and July 15, 2022. The amount delivered into the Offset Account in July 2022 totaled 996.99 acre-feet.

Between July 10, 2022 and July 15, 2022 CAA transferred 4.89 acre-feet from the CAA Upstream Consumable subaccount into the Downstream Consumable subaccount. The total transferred within the Offset Account in July 2022 was 4.89 acre-feet.

Kansas began another release of 70 cfs at 9:00 AM that continued until Wednesday, August 4, 2022. Kansas released 1,352.37 acre-feet from the Kansas Consumable subaccount, 1,443.21 acre-feet from the Downstream Consumable subaccount, 392.23 acre-feet from the Kansas Charge subaccount and 1,116.54 acre-feet from the Return Flow subaccount for a total of 4,304.35 acre-feet released in the month of July 2022.

As of July 31, 2022, a total of 720.37 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of July 2022 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
July 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1146.43	503.96
2	BOOTH ORCHARD	1.55	0.78
3	EXCELSIOR	164.74	82.69
4	COLLIER	0.00	0.00
5	COLORADO	250.31	156.31
6	ROCKY FORD HIGHLINE	548.68	219.80
7	OXFORD	311.45	120.21
8	OTERO	47.10	17.02
9	CATLIN	603.03	257.36
10	FORT LYON US	1061.05	466.57
11	ROCKY FORD	18.79	9.40
12	HOLBROOK	416.60	246.53
13	LAS ANIMAS CONSOLIDATED	102.68	43.64
14	BALDWIN-STUBBS	329.63	177.56
15	FORT BENT	96.28	61.36
17	AMITY	552.06	306.25
18	LAMAR/MANVEL	120.79	76.89
19	HYDE	25.17	18.88
20	FORT LYON DS	532.68	298.80
21	XY GRAHAM	281.18	180.92
22	BUFFALO	0.17	0.06
24	STATELINE SOLE SOURCE	1404.72	1048.93
601	LAWMA A.P.D.	27.45	9.88
602	LAWMA A.P.D.	15.31	11.48
	Totals	8057.85	4315.28

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
July 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.03	30.41	0.00	293.90	76.89	18.88	283.32	180.92	0.06	0.00	1048.78	1933.19

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
July 2022

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	223.16	815.21	19.61	1057.98	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	182.77	667.66	16.06	866.49	
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	1.10	5.35	44.53	0.00					50.98	0
CO Beef - Lamar Center Farm	0				0.00					0.00	0
Lamar Center Farm	0.00				154.32	318.54				472.86	0.00
Lamar Granada East/West	0.00							77.92		77.92	162.28
Ft Bent Ditch Shares	0.00				0.00					0.00	0
Stubbs Direct Flow	0.00									0.00	0.00
XY Direct Flow	0.00					0.00	143.55			143.55	0.00
Manvel Direct Flow	0.00									0.00	0.00
Offset Account Release Credit	-1152.55									0.00	496.63
Offset Account Transit Loss	0	13.43			33.04			254.04		300.51	46.47
Offset Account Water	0	0								0.00	0
Total Replacements	0	14.53	5.35	44.53	187.36	318.54	143.55	254.04	77.92	0.00	1045.82
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. Preliminary credits from the Kansas release resulted in 1,649.18 acre-feet of stateline credits in the month of July 2022.

Enclosure 1

John Martin Offset Accounting for July 2022

Offset Account

July 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4284.54							177.34							1372.22
1	9.91	0.00	0.00	138.85	11.58	4144.02	1	0.00	0.00	0.00	0.00	0.48	176.86	1	0.00	0.00	0.00	138.85	3.70	1229.67
2	9.91	0.00	0.00	138.85	11.28	4003.80	2	0.00	0.00	0.00	0.00	0.48	176.38	2	0.00	0.00	0.00	138.85	3.34	1087.48
3	9.91	0.00	0.00	138.85	10.94	3863.92	3	0.00	0.00	0.00	0.00	0.48	175.90	3	0.00	0.00	0.00	138.85	2.97	945.66
4	46.28	0.00	0.00	138.85	10.60	3760.75	4	0.00	0.00	0.00	0.00	0.48	175.42	4	0.00	0.00	0.00	138.85	2.59	804.22
5	45.88	0.00	0.00	138.85	11.06	3656.72	5	0.00	0.00	0.00	0.00	0.51	174.91	5	0.00	0.00	0.00	138.85	2.36	663.01
6	53.43	0.00	0.00	138.85	4.63	3566.67	6	0.00	0.00	0.00	0.00	0.22	174.69	6	0.00	0.00	0.00	138.85	0.84	523.32
7	41.85	0.00	0.00	138.85	9.06	3460.61	7	0.00	0.00	0.00	0.00	0.44	174.25	7	0.00	0.00	0.00	138.85	1.33	383.14
8	33.48	0.00	0.00	138.85	12.94	3342.30	8	0.00	0.00	0.00	0.00	0.65	173.60	8	0.00	0.00	0.00	138.85	1.43	242.86
9	45.70	0.00	0.00	138.85	12.58	3236.57	9	0.00	0.00	0.00	0.00	0.65	172.95	9	0.00	0.00	0.00	138.85	0.91	103.10
10	63.83	0.89	0.89	138.85	12.02	3149.53	10	17.78	0.00	0.89	0.00	0.64	189.20	10	0.00	0.00	0.00	102.72	0.38	0.00
11	63.53	0.89	0.89	138.85	10.35	3063.86	11	17.78	0.00	0.89	0.00	0.62	189.20	11	0.00	0.00	0.00	0.00	0.00	0.00
12	48.42	0.89	0.89	138.85	11.41	2962.02	12	17.78	0.00	0.89	0.00	0.76	221.60	12	0.00	0.00	0.00	0.00	0.00	0.00
13	39.03	0.89	0.89	138.85	11.74	2850.46	13	17.78	0.00	0.89	0.00	0.87	237.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	34.47	0.89	0.89	138.85	9.93	2736.15	14	17.78	0.00	0.89	0.00	0.82	253.69	14	0.00	0.00	0.00	0.00	0.00	0.00
15	54.80	0.44	0.44	138.85	10.03	2642.07	15	8.89	0.00	0.44	0.00	0.93	261.21	15	0.00	0.00	0.00	0.00	0.00	0.00
16	45.79	0.00	0.00	138.85	9.73	2539.28	16	0.00	0.00	0.00	0.00	0.96	260.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	45.11	0.00	0.00	138.85	9.39	2436.15	17	0.00	0.00	0.00	0.00	0.96	259.29	17	0.00	0.00	0.00	0.00	0.00	0.00
18	34.31	0.00	0.00	138.85	9.39	2322.22	18	0.00	0.00	0.00	0.00	0.99	258.30	18	0.00	0.00	0.00	0.00	0.00	0.00
19	26.03	0.00	0.00	138.85	11.43	2197.97	19	0.00	0.00	0.00	0.00	1.27	257.03	19	0.00	0.00	0.00	0.00	0.00	0.00
20	22.30	0.00	0.00	138.85	4.63	2076.79	20	0.00	0.00	0.00	0.00	0.54	256.49	20	0.00	0.00	0.00	0.00	0.00	0.00
21	20.13	0.00	0.00	138.85	7.40	1950.67	21	0.00	0.00	0.00	0.00	0.91	255.58	21	0.00	0.00	0.00	0.00	0.00	0.00
22	23.93	0.00	0.00	138.85	8.80	1826.95	22	0.00	0.00	0.00	0.00	1.15	254.43	22	0.00	0.00	0.00	0.00	0.00	0.00
23	22.44	0.00	0.00	138.85	8.32	1702.22	23	0.00	0.00	0.00	0.00	1.16	253.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	20.98	0.00	0.00	138.85	7.83	1576.52	24	0.00	0.00	0.00	0.00	1.16	252.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.04	0.00	0.00	138.85	3.61	1451.10	25	0.00	0.00	0.00	0.00	0.57	251.54	25	0.00	0.00	0.00	0.00	0.00	0.00
26	22.88	0.00	0.00	138.85	3.33	1331.80	26	0.00	0.00	0.00	0.00	0.57	250.97	26	0.00	0.00	0.00	0.00	0.00	0.00
27	14.56	0.00	0.00	138.85	4.02	1203.49	27	0.00	0.00	0.00	0.00	0.75	250.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	14.08	0.00	0.00	138.85	3.89	1074.83	28	0.00	0.00	0.00	0.00	0.80	249.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	19.71	0.00	0.00	138.85	1.86	953.83	29	0.00	0.00	0.00	0.00	0.43	248.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	22.38	0.00	0.00	138.85	1.66	835.70	30	0.00	0.00	0.00	0.00	0.43	248.56	30	0.00	0.00	0.00	0.00	0.00	0.00
31	24.89	0.00	0.00	138.85	1.37	720.37	31	0.00	0.00	0.00	0.00	0.41	248.15	31	0.00	0.00	0.00	0.00	0.00	0.00
996.99	4.89	4.89	4304.35	256.81			97.79	0.00	4.89	0.00	22.09			0.00	0.00	0.00	1352.37	19.85		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	
						2534.90							573.48							419.52	
1	9.91	0.00	0.00	138.85	6.86	2399.10	1	9.91	0.00	0.00	0.00	1.55	581.84	1	0.00	0.00	0.00	0.00	1.13	418.39	
2	9.91	0.00	0.00	138.85	6.54	2263.62	2	9.91	0.00	0.00	0.00	1.58	590.17	2	0.00	0.00	0.00	0.00	1.14	417.25	
3	9.91	0.00	0.00	138.85	6.20	2128.48	3	9.91	0.00	0.00	0.00	1.61	598.47	3	0.00	0.00	0.00	0.00	1.14	416.11	
4	46.28	0.00	0.00	138.85	5.85	2030.06	4	46.28	0.00	0.00	0.00	1.64	643.11	4	0.00	0.00	0.00	0.00	1.14	414.97	
5	45.88	0.00	0.00	138.85	5.98	1931.11	5	45.88	0.00	0.00	0.00	1.89	687.10	5	0.00	0.00	0.00	0.00	1.22	413.75	
6	53.43	0.00	0.00	138.85	2.45	1843.24	6	53.43	0.00	0.00	0.00	0.87	739.66	6	0.00	0.00	0.00	0.00	0.52	413.23	
7	41.85	0.00	0.00	138.85	4.69	1741.55	7	41.85	0.00	0.00	0.00	1.87	779.64	7	0.00	0.00	0.00	0.00	1.05	412.18	
8	33.48	0.00	0.00	138.85	6.53	1629.65	8	33.48	0.00	0.00	0.00	2.91	810.21	8	0.00	0.00	0.00	0.00	1.54	410.64	
9	45.70	0.00	0.00	138.85	6.14	1530.36	9	45.70	0.00	0.00	0.00	3.04	852.87	9	0.00	0.00	0.00	0.00	1.54	409.10	
10	63.83	0.89	0.89	138.85	5.70	1449.64	10	46.05	0.89	0.00	36.13	3.16	860.52	10	0.00	0.00	0.00	0.00	1.52	407.58	
11	63.53	0.89	0.89	138.85	4.78	1369.54	11	45.75	0.89	0.00	138.85	2.82	765.49	11	0.00	0.00	0.00	0.00	1.34	406.24	
12	48.42	0.89	0.89	138.85	5.11	1274.00	12	30.64	0.89	0.00	138.85	2.84	655.33	12	0.00	0.00	0.00	0.00	1.51	404.73	
13	39.03	0.89	0.89	138.85	5.06	1169.12	13	21.25	0.89	0.00	138.85	2.59	536.03	13	0.00	0.00	0.00	0.00	1.60	403.13	
14	34.47	0.89	0.89	138.85	4.08	1060.66	14	16.69	0.89	0.00	138.85	1.86	412.90	14	0.00	0.00	0.00	0.00	1.40	401.73	
15	54.80	0.44	0.44	138.85	3.91	972.70	15	45.91	0.44	0.00	138.85	1.51	318.89	15	0.00	0.00	0.00	0.00	1.47	400.26	
16	45.79	0.00	0.00	138.85	3.60	876.04	16	45.79	0.00	0.00	138.85	1.17	224.66	16	0.00	0.00	0.00	0.00	1.47	398.79	
17	45.11	0.00	0.00	138.85	3.26	779.04	17	45.11	0.00	0.00	138.85	0.83	130.09	17	0.00	0.00	0.00	0.00	1.47	397.32	
18	34.31	0.00	0.00	138.85	3.02	671.48	18	34.31	0.00	0.00	138.85	0.50	25.05	18	0.00	0.00	0.00	0.00	1.53	395.79	
19	26.03	0.00	0.00	138.85	3.33	555.33	19	26.03	0.00	0.00	50.96	0.12	0.00	0.00	19	0.00	0.00	0.00	87.89	1.94	305.96
20	22.30	0.00	0.00	138.85	1.18	437.60	20	22.30	0.00	0.00	22.30	0.00	0.00	0.00	20	0.00	0.00	0.00	116.55	0.64	188.77
21	20.13	0.00	0.00	138.85	1.58	317.30	21	20.13	0.00	0.00	20.13	0.00	0.00	0.00	21	0.00	0.00	0.00	118.72	0.67	69.38
22	23.93	0.00	0.00	93.00	1.46	246.77	22	23.93	0.00	0.00	23.93	0.00	0.00	0.00	22	0.00	0.00	0.00	69.07	0.31	0.00
23	22.44	0.00	0.00	22.44	1.16	245.61	23	22.44	0.00	0.00	22.44	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	20.98	0.00	0.00	20.98	1.16	244.45	24	20.98	0.00	0.00	20.98	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.04	0.00	0.00	17.04	0.57	243.88	25	17.04	0.00	0.00	17.04	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	22.88	0.00	0.00	22.88	0.57	243.31	26	22.88	0.00	0.00	22.88	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	14.56	0.00	0.00	14.56	0.75	242.56	27	14.56	0.00												

Offset Account

July 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1749.64							151.57							3.89
1	0.00	0.00	0.00	0.00	4.72	1744.92	1	0.00	0.00	0.00	0.00	0.41	151.16	1	0.00	0.00	0.00	0.00	0.01	3.88
2	0.00	0.00	0.00	0.00	4.74	1740.18	2	0.00	0.00	0.00	0.00	0.41	150.75	2	0.00	0.00	0.00	0.00	0.01	3.87
3	0.00	0.00	0.00	0.00	4.74	1735.44	3	0.00	0.00	0.00	0.00	0.41	150.34	3	0.00	0.00	0.00	0.00	0.01	3.86
4	0.00	0.00	0.00	0.00	4.75	1730.69	4	0.00	0.00	0.00	0.00	0.41	149.93	4	0.00	0.00	0.00	0.00	0.01	3.85
5	0.00	0.00	0.00	0.00	5.08	1725.61	5	0.00	0.00	0.00	0.00	0.44	149.49	5	0.00	0.00	0.00	0.00	0.01	3.84
6	0.00	0.00	0.00	0.00	2.18	1723.43	6	0.00	0.00	0.00	0.00	0.19	149.30	6	0.00	0.00	0.00	0.00	0.00	3.84
7	0.00	0.00	0.00	0.00	4.37	1719.06	7	0.00	0.00	0.00	0.00	0.38	148.92	7	0.00	0.00	0.00	0.00	0.01	3.83
8	0.00	0.00	0.00	0.00	6.41	1712.65	8	0.00	0.00	0.00	0.00	0.56	148.36	8	0.00	0.00	0.00	0.00	0.01	3.82
9	0.00	0.00	0.00	0.00	6.44	1706.21	9	0.00	0.00	0.00	0.00	0.56	147.80	9	0.00	0.00	0.00	0.00	0.01	3.81
10	0.00	0.00	0.00	0.00	6.32	1699.89	10	0.00	0.00	0.00	0.00	0.55	147.25	10	0.00	0.00	0.00	0.00	0.01	3.80
11	0.00	0.00	0.00	0.00	5.57	1694.32	11	0.00	0.00	0.00	0.00	0.48	146.77	11	0.00	0.00	0.00	0.00	0.01	3.79
12	0.00	0.00	0.00	0.00	6.30	1688.02	12	0.00	0.00	0.00	0.00	0.55	146.22	12	0.00	0.00	0.00	0.00	0.01	3.78
13	0.00	0.00	0.00	0.00	6.68	1681.34	13	0.00	0.00	0.00	0.00	0.58	145.64	13	0.00	0.00	0.00	0.00	0.01	3.77
14	0.00	0.00	0.00	0.00	5.85	1675.49	14	0.00	0.00	0.00	0.00	0.51	145.13	14	0.00	0.00	0.00	0.00	0.01	3.76
15	0.00	0.00	0.00	0.00	6.12	1669.37	15	0.00	0.00	0.00	0.00	0.53	144.60	15	0.00	0.00	0.00	0.00	0.01	3.75
16	0.00	0.00	0.00	0.00	6.13	1663.24	16	0.00	0.00	0.00	0.00	0.53	144.07	16	0.00	0.00	0.00	0.00	0.01	3.74
17	0.00	0.00	0.00	0.00	6.13	1657.11	17	0.00	0.00	0.00	0.00	0.53	143.54	17	0.00	0.00	0.00	0.00	0.01	3.73
18	0.00	0.00	0.00	0.00	6.37	1650.74	18	0.00	0.00	0.00	0.00	0.55	142.99	18	0.00	0.00	0.00	0.00	0.01	3.72
19	0.00	0.00	0.00	0.00	8.10	1642.64	19	0.00	0.00	0.00	0.00	0.70	142.29	19	0.00	0.00	0.00	0.00	0.02	3.70
20	0.00	0.00	0.00	0.00	3.45	1639.19	20	0.00	0.00	0.00	0.00	0.30	141.99	20	0.00	0.00	0.00	0.00	0.01	3.69
21	0.00	0.00	0.00	0.00	5.82	1633.37	21	0.00	0.00	0.00	0.00	0.50	141.49	21	0.00	0.00	0.00	0.00	0.01	3.68
22	0.00	0.00	0.00	45.85	7.34	1580.18	22	0.00	0.00	0.00	0.00	0.64	140.85	22	0.00	0.00	0.00	0.00	0.02	3.66
23	0.00	0.00	0.00	116.41	7.16	1456.61	23	0.00	0.00	0.00	0.00	0.64	140.21	23	0.00	0.00	0.00	0.00	0.02	3.64
24	0.00	0.00	0.00	117.87	6.67	1332.07	24	0.00	0.00	0.00	0.00	0.64	139.57	24	0.00	0.00	0.00	0.00	0.02	3.62
25	0.00	0.00	0.00	121.81	3.04	1207.22	25	0.00	0.00	0.00	0.00	0.32	139.25	25	0.00	0.00	0.00	0.00	0.01	3.61
26	0.00	0.00	0.00	115.97	2.76	1088.49	26	0.00	0.00	0.00	0.00	0.32	138.93	26	0.00	0.00	0.00	0.00	0.01	3.60
27	0.00	0.00	0.00	124.29	3.27	960.93	27	0.00	0.00	0.00	0.00	0.42	138.51	27	0.00	0.00	0.00	0.00	0.01	3.59
28	0.00	0.00	0.00	124.77	3.09	833.07	28	0.00	0.00	0.00	0.00	0.45	138.06	28	0.00	0.00	0.00	0.00	0.01	3.58
29	0.00	0.00	0.00	119.14	1.43	712.50	29	0.00	0.00	0.00	0.00	0.24	137.82	29	0.00	0.00	0.00	0.00	0.01	3.57
30	0.00	0.00	0.00	116.47	1.23	594.80	30	0.00	0.00	0.00	0.00	0.24	137.58	30	0.00	0.00	0.00	0.00	0.01	3.56
31	0.00	0.00	0.00	113.96	0.96	479.88	31	0.00	0.00	0.00	0.00	0.22	137.36	31	0.00	0.00	0.00	0.00	0.01	3.55
	0.00	0.00	0.00	1116.54	153.22			0.00	0.00	0.00	0.00	14.21		0.00	0.00	0.00	0.00	0.00	0.34	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1598.07							173.45							0.00
1	0.00	0.00	0.00	0.00	4.31	1593.76	1	0.00	0.00	0.00	0.00	0.47	172.98	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	4.33	1589.43	2	0.00	0.00	0.00	0.00	0.47	172.51	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	4.33	1585.10	3	0.00	0.00	0.00	0.00	0.47	172.04	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	4.34	1580.76	4	0.00	0.00	0.00	0.00	0.47	171.57	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	4.64	1576.12	5	0.00	0.00	0.00	0.00	0.50	171.07	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.99	1574.13	6	0.00	0.00	0.00	0.00	0.22	170.85	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	3.99	1570.14	7	0.00	0.00	0.00	0.00	0.43	170.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	5.85	1564.29	8	0.00	0.00	0.00	0.00	0.64	169.78	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	5.88	1558.41	9	0.00	0.00	0.00	0.00	0.64	169.14	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	5.77	1552.64	10	0.00	0.00	0.00	0.00	0.63	168.51	10	17.78	0.00	0.89	0.00	0.00	16.89
11	0.00	0.00	0.00	0.00	5.09	1547.55	11	0.00	0.00	0.00	0.00	0.55	167.96	11	17.78	0.00	0.89	0.00	0.06	33.72
12	0.00	0.00	0.00	0.00	5.75	1541.80	12	0.00	0.00	0.00	0.00	0.62	167.34	12	17.78	0.00	0.89	0.00	0.13	50.48
13	0.00	0.00	0.00	0.00	6.10	1535.70	13	0.00	0.00	0.00	0.00	0.66	166.68	13	17.78	0.00	0.89	0.00	0.20	67.17
14	0.00	0.00	0.00	0.00	5.34	1530.36	14	0.00	0.00	0.00	0.00	0.58	166.10	14	17.78	0.00	0.89	0.00	0.23	83.83
15	0.00	0.00	0.00	0.00	5.59	1524.77	15	0.00	0.00	0.00	0.00	0.61	165.49	15	8.89	0.00	0.44	0.00	0.31	91.97
16	0.00	0.00	0.00	0.00	5.60	1519.17	16	0.00	0.00	0.00	0.00	0.61	164.88	16	0.00	0.00	0.00	0.00	0.34	91.63
17	0.00	0.00	0.00	0.00	5.60	1513.57	17	0.00	0.00	0.00	0.00	0.61	164.27	17	0.00	0.00	0.00	0.00	0.34	91.29
18	0.00	0.00	0.00	0.00	5.82	1507.75	18	0.00	0.00	0.00	0.00	0.63	163.64	18	0.00	0.00	0.00	0.00	0.35	90.94
19	0.00	0.00	0.00	0.00	7.40	1500.35	19	0.00	0.00	0.00	0.00	0.80	162.84	19	0.00	0.00	0.00	0.00	0.45	90.49
20	0.00	0.00	0.00	0.00	3.15	1497.20	20	0.00	0.00	0.00	0.00	0.34	162.50	20	0.00	0.00	0.00	0.00	0.19	90.30
21	0.00	0.00	0.00	0.00	5.32	1491.88	21	0.00	0.00	0.00	0.00	0.58	161.92	21	0.00	0.00	0.00	0.00	0.32	89.98
22	0.00	0.00	0.00	45.85	6.70	1439.33	22	0.00	0.00	0.00	0.00	0.73	161.19	22	0.00	0.00	0.00	0.00	0.40	89.58
23	0.00	0.00	0.00	116.41	6.52	1316.40	23	0.00	0.00	0.00	0.00	0.73	160.46	23	0.00	0.00	0.00	0.00	0.41	89.17
24	0.00	0.00	0.00	117.87	6.03	1192.50	24	0.00	0.00	0.00	0.00	0.73	159.73	24	0.00	0.00	0.00	0.00	0.41	88.76
25	0.00	0.00	0.00	121.81	2.72	1067.97	25	0.00	0.00	0.00	0.00	0.36	159.37	25	0.00	0.00	0.00	0.00	0.20	88.56
26	0.00	0.00	0.00	115.97	2.44	949.56	26	0.00	0.00	0.00	0.00	0.36	159.01	26	0.00	0.00	0.00	0.00	0.20	88.36
27	0.00	0.00	0.00	124.29	2.85	822.42	27	0.00	0.00	0.00	0.00	0.48	158.53	27	0.00	0.00	0.00	0.00	0.26	88.10
28	0.00	0.00	0.00	124.77	2.64	695.01	28	0.00	0.00	0.00	0.00	0.51	158.02	28	0.00	0.00	0.00	0.00	0.28	87.82
29	0.																			



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 30, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of August 2022 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 2022.



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 678.50 acre-feet of Highland Canal shares, and 290.47 acre-feet of Keesee Ditch shares to the Downstream Consumable subaccount. Catlin Augmentation Association (CAA) delivered 56.79 acre-feet into the CAA Consumable Upstream subaccount. The amount delivered into the Offset Account in August 2022 totaled 1,025.77 acre-feet.

CAA transferred 2.80 acre-feet from the CAA Upstream Consumable subaccount to the Downstream Consumable subaccount to pay back LAWMA for the 500 acre-foot storage charge . The total transferred within the Offset Account in August 2022 was 2.80 acre-feet.

Kansas began a release of 70 cfs at 9:00 AM on June 17, 2022 that continued until Wednesday, August 3, 2022. Kansas released 0.0 acre-feet from the Kansas Consumable subaccount, 89.62 acre-feet from the Downstream Consumable subaccount, 59.98 acre-feet from the Return Flow Transit Loss subaccount and 209.10 acre-feet from the Return Flow subaccount for a total of 358.70 acre-feet released in the month of August 2022.

As of August 31, 2022, a total of 1310.22 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of August 2022 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
Ayrton Hendrix
Bill Tyner
Noah Friesen
Bethany Arnold
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
August 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1132.67	494.8
2	BOOTH ORCHARD	19.25	9.63
3	EXCELSIOR	30.94	15.53
4	COLLIER	52.92	19.05
5	COLORADO	374.41	221.99
6	ROCKY FORD HIGHLINE	440.62	174.88
7	OXFORD	308.57	132.49
8	OTERO	29.88	10.76
9	CATLIN	677.24	292.91
10	FORT LYON US	974.62	440.55
11	ROCKY FORD	35.29	17.65
12	HOLBROOK	391.87	243.15
13	LAS ANIMAS CONSOLIDATED	50.78	23.54
14	BALDWIN-STUBBS	277.42	141.41
15	FORT BENT	34.51	19.99
17	AMITY	704.10	366.10
18	LAMAR/MANVEL	147.90	97.94
19	HYDE	9.66	7.24
20	FORT LYON DS	477.71	273.56
21	XY GRAHAM	247.59	154.41
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	1495.66	1113.91
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	20.00	15.00
	Totals	7933.73	4276.53

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
August 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
45.25	12.57	0.00	366.1	97.94	7.24	89.78	137.25	0.04	0.00	1113.9	1870.07

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
August 2022

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	214.132	894.22	20.63	1128.98	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	175.37	732.37	16.90	924.63	
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	66.83			66.83	175.31					242.14	0
Lamar Granada East/West	0.00							0.00		0.00	0.00
Ft Bent Ditch Shares	0.00			0.00						0.00	0
Stubbs Direct Flow	0.00									0.00	0.00
XY Direct Flow	0.00				0.00	590.44				590.44	0.00
Manvel Direct Flow	0.00				4.10					4.10	4.10
Offset Account Release Credit	496.91									0.00	654.33
Offset Account Transit Loss	149.52	0.00		0.00			26.58			26.58	0
Offset Account Water	0	0								0.00	0
Total Replacements	0	0.00	0.00	0.00	66.83	179.41	590.44	26.58	0.00	0.00	863.26
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. Preliminary credits from the Kansas release resulted in 310.86 acre-feet of stateline credits in the month of August 2022.

Enclosure 1

John Martin Offset Accounting for August 2022

Offset Account

August 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						479.88						137.36							3.55	
1	0.00	0.00	0.00	104.64	1.51	373.73	1	0.00	0.00	0.00	0.00	0.43	136.93	1	0.00	0.00	0.00	0.00	0.01	3.54
2	0.00	0.00	0.00	104.46	1.52	267.75	2	0.00	0.00	0.00	0.00	0.56	136.37	2	0.00	0.00	0.00	0.00	0.01	3.53
3	0.00	0.00	0.00	59.98	0.74	207.03	3	0.00	0.00	0.00	59.98	0.38	76.01	3	0.00	0.00	0.00	0.00	0.01	3.52
4	0.00	0.00	0.00	0.00	0.66	206.37	4	0.00	0.00	0.00	0.00	0.24	75.77	4	0.00	0.00	0.00	0.00	0.01	3.51
5	0.00	0.00	0.00	0.00	0.93	205.44	5	0.00	0.00	0.00	0.00	0.34	75.43	5	0.00	0.00	0.00	0.00	0.02	3.49
6	0.00	0.00	0.00	0.00	0.93	204.51	6	0.00	0.00	0.00	0.00	0.34	75.09	6	0.00	0.00	0.00	0.00	0.02	3.47
7	0.00	0.00	0.00	0.00	0.91	203.60	7	0.00	0.00	0.00	0.00	0.33	74.76	7	0.00	0.00	0.00	0.00	0.02	3.45
8	0.00	0.00	0.00	0.00	0.58	203.02	8	0.00	0.00	0.00	0.00	0.21	74.55	8	0.00	0.00	0.00	0.00	0.01	3.44
9	0.00	0.00	0.00	0.00	0.68	202.34	9	0.00	0.00	0.00	0.00	0.25	74.30	9	0.00	0.00	0.00	0.00	0.01	3.43
10	0.00	0.00	0.00	0.00	0.65	201.69	10	0.00	0.00	0.00	0.00	0.24	74.06	10	0.00	0.00	0.00	0.00	0.01	3.42
11	0.00	0.00	0.00	0.00	0.73	200.96	11	0.00	0.00	0.00	0.00	0.27	73.79	11	0.00	0.00	0.00	0.00	0.01	3.41
12	0.00	0.00	0.00	0.00	0.80	200.16	12	0.00	0.00	0.00	0.00	0.29	73.50	12	0.00	0.00	0.00	0.00	0.01	3.40
13	0.00	0.00	0.00	0.00	0.80	199.36	13	0.00	0.00	0.00	0.00	0.29	73.21	13	0.00	0.00	0.00	0.00	0.01	3.39
14	0.00	0.00	0.00	0.00	0.78	198.58	14	0.00	0.00	0.00	0.00	0.29	72.92	14	0.00	0.00	0.00	0.00	0.01	3.38
15	0.00	0.00	0.00	0.00	0.57	198.01	15	0.00	0.00	0.00	0.00	0.21	72.71	15	0.00	0.00	0.00	0.00	0.01	3.37
16	0.00	0.00	0.00	0.00	0.57	197.44	16	0.00	0.00	0.00	0.00	0.21	72.50	16	0.00	0.00	0.00	0.00	0.01	3.36
17	0.00	0.00	0.00	0.00	0.33	197.11	17	0.00	0.00	0.00	0.00	0.12	72.38	17	0.00	0.00	0.00	0.00	0.01	3.35
18	0.00	0.00	0.00	0.00	0.50	196.61	18	0.00	0.00	0.00	0.00	0.18	72.20	18	0.00	0.00	0.00	0.00	0.01	3.34
19	0.00	0.00	0.00	0.00	0.47	196.14	19	0.00	0.00	0.00	0.00	0.17	72.03	19	0.00	0.00	0.00	0.00	0.01	3.33
20	0.00	0.00	0.00	0.00	0.46	195.68	20	0.00	0.00	0.00	0.00	0.17	71.86	20	0.00	0.00	0.00	0.00	0.01	3.32
21	0.00	0.00	0.00	0.00	0.48	195.20	21	0.00	0.00	0.00	0.00	0.18	71.68	21	0.00	0.00	0.00	0.00	0.01	3.31
22	0.00	0.00	0.00	0.00	0.51	194.69	22	0.00	0.00	0.00	0.00	0.19	71.49	22	0.00	0.00	0.00	0.00	0.01	3.30
23	0.00	0.00	0.00	0.00	0.43	194.26	23	0.00	0.00	0.00	0.00	0.16	71.33	23	0.00	0.00	0.00	0.00	0.01	3.29
24	0.00	0.00	0.00	0.00	0.63	193.63	24	0.00	0.00	0.00	0.00	0.23	71.10	24	0.00	0.00	0.00	0.00	0.01	3.28
25	0.00	0.00	0.00	0.00	0.70	192.93	25	0.00	0.00	0.00	0.00	0.26	70.84	25	0.00	0.00	0.00	0.00	0.01	3.27
26	0.00	0.00	0.00	0.00	0.77	192.16	26	0.00	0.00	0.00	0.00	0.28	70.56	26	0.00	0.00	0.00	0.00	0.01	3.26
27	0.00	0.00	0.00	0.00	0.77	191.39	27	0.00	0.00	0.00	0.00	0.28	70.28	27	0.00	0.00	0.00	0.00	0.01	3.25
28	0.00	0.00	0.00	0.00	0.77	190.62	28	0.00	0.00	0.00	0.00	0.28	70.00	28	0.00	0.00	0.00	0.00	0.01	3.24
29	0.00	0.00	0.00	0.00	0.56	190.06	29	0.00	0.00	0.00	0.00	0.21	69.79	29	0.00	0.00	0.00	0.00	0.01	3.23
30	0.00	0.00	0.00	0.00	0.57	189.49	30	0.00	0.00	0.00	0.00	0.21	69.58	30	0.00	0.00	0.00	0.00	0.01	3.22
31	0.00	0.00	0.00	0.00	0.89	188.60	31	0.00	0.00	0.00	0.00	0.33	69.25	31	0.00	0.00	0.00	0.00	0.02	3.20
	0.00	0.00	0.00	269.08	22.20			0.00	0.00	0.00	59.98	8.13			0.00	0.00	0.00	0.00	0.35	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						342.52						157.22							87.38	
1	0.00	0.00	0.00	104.64	1.08	236.80	1	0.00	0.00	0.00	0.00	0.50	156.72	1	0.00	0.00	0.00	0.00	0.28	87.10
2	0.00	0.00	0.00	104.46	0.96	131.38	2	0.00	0.00	0.00	0.00	0.64	156.08	2	0.00	0.00	0.00	0.00	0.35	86.75
3	0.00	0.00	0.00	0.00	0.36	131.02	3	0.00	0.00	0.00	0.00	0.43	155.65	3	0.00	0.00	0.00	0.00	0.24	86.51
4	0.00	0.00	0.00	0.00	0.42	130.60	4	0.00	0.00	0.00	0.00	0.50	155.15	4	0.00	0.00	0.00	0.00	0.28	86.23
5	0.00	0.00	0.00	0.00	0.59	130.01	5	0.00	0.00	0.00	0.00	0.70	154.45	5	0.00	0.00	0.00	0.00	0.39	85.84
6	0.00	0.00	0.00	0.00	0.59	129.42	6	0.00	0.00	0.00	0.00	0.70	153.75	6	0.00	0.00	0.00	0.00	0.39	85.45
7	0.00	0.00	0.00	0.00	0.58	128.84	7	0.00	0.00	0.00	0.00	0.68	153.07	7	0.00	0.00	0.00	0.00	0.38	85.07
8	0.00	0.00	0.00	0.00	0.37	128.47	8	0.00	0.00	0.00	0.00	0.44	152.63	8	0.00	0.00	0.00	0.00	0.24	84.83
9	0.00	0.00	0.00	0.00	0.43	128.04	9	0.00	0.00	0.00	0.00	0.51	152.12	9	0.00	0.00	0.00	0.00	0.28	84.55
10	0.00	0.00	0.00	0.00	0.41	127.63	10	0.00	0.00	0.00	0.00	0.49	151.63	10	0.00	0.00	0.00	0.00	0.27	84.28
11	0.00	0.00	0.00	0.00	0.46	127.17	11	0.00	0.00	0.00	0.00	0.55	151.08	11	0.00	0.00	0.00	0.00	0.31	83.97
12	0.00	0.00	0.00	0.00	0.51	126.66	12	0.00	0.00	0.00	0.00	0.60	150.48	12	0.00	0.00	0.00	0.00	0.33	83.64
13	0.00	0.00	0.00	0.00	0.51	126.15	13	0.00	0.00	0.00	0.00	0.60	149.88	13	0.00	0.00	0.00	0.00	0.33	83.31
14	0.00	0.00	0.00	0.00	0.49	125.66	14	0.00	0.00	0.00	0.00	0.59	149.29	14	0.00	0.00	0.00	0.00	0.33	82.98
15	0.00	0.00	0.00	0.00	0.36	125.30	15	0.00	0.00	0.00	0.00	0.42	148.87	15	0.00	0.00	0.00	0.00	0.24	82.74
16	0.00	0.00	0.00	0.00	0.36	124.94	16	0.00	0.00	0.00	0.00	0.42	148.45	16	0.00	0.00	0.00	0.00	0.24	82.50
17	0.00	0.00	0.00	0.00	0.21	124.73	17	0.00	0.00	0.00	0.00	0.25	148.20	17	0.00	0.00	0.00	0.00	0.14	82.36
18	0.00	0.00	0.00	0.00	0.32	124.41	18	0.00	0.00	0.00	0.00	0.38	147.82	18	0.00	0.00	0.00	0.00	0.21	82.15
19	0.00	0.00	0.00	0.00	0.30	124.11	19	0.00	0.00	0.00	0.00	0.35	147.47	19	0.00	0.00	0.00	0.00	0.20	81.95
20	0.00	0.00	0.00	0.00	0.29	123.82	20	0.00	0.00	0.00	0.00	0.35	147.12	20	0.00	0.00	0.00	0.00	0.19	81.76
21	0.00	0.00	0.00	0.00	0.30	123.52	21	0.00	0.00	0.00	0.00	0.36	146.76	21	7.10	0.00	0.35	0.00	0.20	88.31
22	0.00	0.00	0.00	0.00	0.32	123.20	22	0.00	0.00	0.00	0.00	0.38	146.38	22	7.10	0.00	0.35	0.00	0.23	94.83
23	0.00	0.00	0.00	0.00	0.27	122.93	23	0.00	0.00	0.00	0.00	0.32	146.06	23	7.10	0.00	0.35	0.00	0.21	101.37
24	0.00	0.00	0.00	0.00	0.40	122.53	24	0.00	0.00	0.00	0.00	0.48	145.58	24	7.10	0.00	0.35	0.00	0.33	107.79
25	0.00	0.00	0.00	0.00	0.44	122.09	25	0.00	0.00	0.00	0.00	0.52	145.06	25	7.10	0.00	0.35	0.00	0.39	114.15
26	0.00	0.00	0.00	0.00	0.49	121.60	26	0.00	0.00	0.00	0.00	0.58	144.48	26	7.10	0.00	0.35	0.00	0.46	120.44
27	0.00	0.00	0.00	0.00	0.49	121.11	27	0.00	0.00	0.00	0.00	0.58	143.90	27	7.10	0.00	0.35	0.00	0.49	126.70
28	0.00	0.00	0.00	0.00	0.49	120.62	28	0.00	0.00	0.00	0.00	0.58	143.32	28	7.10	0.00	0.35	0.00	0.51	132.94
29	0.00	0.00	0.00	0.00	0.35	120.27	29	0.00	0.00	0.00	0.00	0.42								



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 30, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of September 2022 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 2022.



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 26.64 acre-feet of Highland Canal shares, and 234.18 acre-feet of Keesee Ditch shares to the Downstream Consumable subaccount. LAWMA also delivered 12.37 acre-feet of Highland Canal shares to the Kansas Charge subaccount. The amount delivered into the Offset Account in September 2022 totaled 268.77 acre-feet.

LAWMA transferred 3.52 acre-feet from the Downstream Consumable subaccount to the Kansas Charge subaccount to pay the 5% storage charge for amounts over 10,000 acre-feet Utilization of the Offset Account for the time between April 1, 2021 and March 31, 2022 as required by Paragraph 9 of the Resolution. A separate letter outlining this operation will be provided to Kansas in this same transmission. The total transferred within the Offset Account in September 2022 was 3.52 acre-feet.

As of September 30, 2022, a total of 1,460.83 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of September 2022 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
Ayrton Hendrix
Bill Tyner
Noah Friesen
Bethany Arnold
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
September 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	554.4	252.61
2	BOOTH ORCHARD	2.63	1.32
3	EXCELSIOR	0.42	0.42
4	COLLIER	78.49	28.26
5	COLORADO	278.4	155.99
6	ROCKY FORD HIGHLINE	160.15	66.96
7	OXFORD	329.65	225.96
8	OTERO	36.1	13.08
9	CATLIN	1269.36	530.19
10	FORT LYON US	1210.603	520.16
11	ROCKY FORD	2.74	1.38
12	HOLBROOK	245.69	123.16
13	LAS ANIMAS CONSOLIDATED	84.24	35.87
14	BALDWIN-STUBBS	168.75	109.64
15	FORT BENT	10.31	4.95
17	AMITY	436.59	237.26
18	LAMAR/MANVEL	150.03	88.53
19	HYDE	28.07	10.11
20	FORT LYON DS	447.62	272.51
21	XY GRAHAM	119.9	59.95
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	568.31	421.13
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	17.27	12.94
	Totals	6199.845	3172.42

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
September 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
23.13	5.02	0.00	221.43	88.53	10.11	257.05	47.17	0.04	0.00	420.98	1073.46

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
September 2022

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	199.36	852.69	25.08	1077.13	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	163.28	698.35	20.54	882.17	
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			146.38	0.00					146.38	0
Lamar Granada East/West	0.00							0.00		0.00	0.00
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0.00									0.00	0
XY Direct Flow	0.00				0.00	67.38				67.38	0
Manvel Direct Flow	0.00									0.00	0
Offset Account Release Credit	654.33								2.18	2.18	652.15
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	146.38	0.00	67.38	0.00	0.00	2.18	215.94
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. There were 2.18 acre-feet of depletions that were replaced using Offset Stateline credits in the month of September 2022.

Enclosure 1

John Martin Offset Accounting for September 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1310.22							276.53							0.00
1	16.67	0.00	0.00	0.00	1.87	1325.02	1	0.00	0.00	0.00	0.00	0.39	276.14	1	0.00	0.00	0.00	0.00	0.00	0.00
2	13.21	3.52	3.52	0.00	4.13	1334.10	2	0.00	0.00	0.00	0.00	0.86	275.28	2	0.00	0.00	0.00	0.00	0.00	0.00
3	11.05	0.00	0.00	0.00	4.15	1341.00	3	0.00	0.00	0.00	0.00	0.86	274.42	3	0.00	0.00	0.00	0.00	0.00	0.00
4	10.30	0.00	0.00	0.00	4.17	1347.13	4	0.00	0.00	0.00	0.00	0.86	273.56	4	0.00	0.00	0.00	0.00	0.00	0.00
5	9.46	0.00	0.00	0.00	4.30	1352.29	5	0.00	0.00	0.00	0.00	0.87	272.69	5	0.00	0.00	0.00	0.00	0.00	0.00
6	13.79	0.00	0.00	0.00	2.62	1363.46	6	0.00	0.00	0.00	0.00	0.53	272.16	6	0.00	0.00	0.00	0.00	0.00	0.00
7	14.76	0.00	0.00	0.00	4.45	1373.77	7	0.00	0.00	0.00	0.00	0.89	271.27	7	0.00	0.00	0.00	0.00	0.00	0.00
8	12.03	0.00	0.00	0.00	7.61	1378.19	8	0.00	0.00	0.00	0.00	1.50	269.77	8	0.00	0.00	0.00	0.00	0.00	0.00
9	10.91	0.00	0.00	0.00	3.15	1385.95	9	0.00	0.00	0.00	0.00	0.62	269.15	9	0.00	0.00	0.00	0.00	0.00	0.00
10	9.36	0.00	0.00	0.00	3.17	1392.14	10	0.00	0.00	0.00	0.00	0.62	268.53	10	0.00	0.00	0.00	0.00	0.00	0.00
11	8.82	0.00	0.00	0.00	3.21	1397.75	11	0.00	0.00	0.00	0.00	0.62	267.91	11	0.00	0.00	0.00	0.00	0.00	0.00
12	8.75	0.00	0.00	0.00	3.37	1403.13	12	0.00	0.00	0.00	0.00	0.65	267.26	12	0.00	0.00	0.00	0.00	0.00	0.00
13	8.71	0.00	0.00	0.00	4.12	1407.72	13	0.00	0.00	0.00	0.00	0.78	266.48	13	0.00	0.00	0.00	0.00	0.00	0.00
14	8.71	0.00	0.00	0.00	5.73	1410.70	14	0.00	0.00	0.00	0.00	1.09	265.39	14	0.00	0.00	0.00	0.00	0.00	0.00
15	8.71	0.00	0.00	0.00	4.80	1414.61	15	0.00	0.00	0.00	0.00	0.90	264.49	15	0.00	0.00	0.00	0.00	0.00	0.00
16	8.71	0.00	0.00	0.00	3.61	1419.71	16	0.00	0.00	0.00	0.00	0.68	263.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	8.71	0.00	0.00	0.00	3.64	1424.78	17	0.00	0.00	0.00	0.00	0.68	263.13	17	0.00	0.00	0.00	0.00	0.00	0.00
18	8.71	0.00	0.00	0.00	3.67	1429.82	18	0.00	0.00	0.00	0.00	0.68	262.45	18	0.00	0.00	0.00	0.00	0.00	0.00
19	8.71	0.00	0.00	0.00	2.94	1435.59	19	0.00	0.00	0.00	0.00	0.55	261.90	19	0.00	0.00	0.00	0.00	0.00	0.00
20	8.71	0.00	0.00	0.00	3.49	1440.81	20	0.00	0.00	0.00	0.00	0.64	261.26	20	0.00	0.00	0.00	0.00	0.00	0.00
21	8.71	0.00	0.00	0.00	3.24	1446.28	21	0.00	0.00	0.00	0.00	0.59	260.67	21	0.00	0.00	0.00	0.00	0.00	0.00
22	8.71	0.00	0.00	0.00	1.44	1453.55	22	0.00	0.00	0.00	0.00	0.25	260.42	22	0.00	0.00	0.00	0.00	0.00	0.00
23	8.71	0.00	0.00	0.00	3.45	1458.81	23	0.00	0.00	0.00	0.00	0.62	259.80	23	0.00	0.00	0.00	0.00	0.00	0.00
24	8.71	0.00	0.00	0.00	3.47	1464.05	24	0.00	0.00	0.00	0.00	0.62	259.18	24	0.00	0.00	0.00	0.00	0.00	0.00
25	8.71	0.00	0.00	0.00	3.37	1469.39	25	0.00	0.00	0.00	0.00	0.60	258.58	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.71	0.00	0.00	0.00	5.02	1473.08	26	0.00	0.00	0.00	0.00	0.88	257.70	26	0.00	0.00	0.00	0.00	0.00	0.00
27	7.72	0.00	0.00	0.00	3.58	1477.22	27	0.00	0.00	0.00	0.00	0.63	257.07	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	5.23	1471.99	28	0.00	0.00	0.00	0.00	0.91	256.16	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	5.65	1466.34	29	0.00	0.00	0.00	0.00	0.98	255.18	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	5.51	1460.83	30	0.00	0.00	0.00	0.00	0.96	254.22	30	0.00	0.00	0.00	0.00	0.00	0.00
	268.77	3.52	3.52	0.00	118.16			0.00	0.00	0.00	0.00	22.31			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1121.62							845.09							0.00
1	16.67	0.00	0.00	0.00	1.60	1136.69	1	16.67	0.00	0.00	0.00	1.21	860.55	1	0.00	0.00	0.00	0.00	0.00	0.00
2	13.21	3.52	3.52	0.00	3.54	1146.36	2	13.21	0.00	3.52	0.00	2.68	867.56	2	0.00	3.52	0.00	0.00	0.00	3.52
3	11.05	0.00	0.00	0.00	3.57	1153.84	3	11.05	0.00	0.00	0.00	2.70	875.91	3	0.00	0.00	0.00	0.00	0.01	3.51
4	10.30	0.00	0.00	0.00	3.59	1160.55	4	10.30	0.00	0.00	0.00	2.72	883.49	4	0.00	0.00	0.00	0.00	0.01	3.50
5	9.46	0.00	0.00	0.00	3.70	1166.31	5	9.46	0.00	0.00	0.00	2.82	890.13	5	0.00	0.00	0.00	0.00	0.01	3.49
6	13.79	0.00	0.00	0.00	2.26	1177.84	6	13.79	0.00	0.00	0.00	1.72	902.20	6	0.00	0.00	0.00	0.00	0.01	3.48
7	14.76	0.00	0.00	0.00	3.85	1188.75	7	8.71	0.00	0.00	0.00	2.95	907.96	7	6.05	0.00	0.00	0.00	0.01	9.52
8	12.03	0.00	0.00	0.00	6.58	1194.20	8	8.71	0.00	0.00	0.00	5.03	911.64	8	3.32	0.00	0.00	0.00	0.05	12.79
9	10.91	0.00	0.00	0.00	2.73	1202.38	9	8.71	0.00	0.00	0.00	2.08	918.27	9	2.20	0.00	0.00	0.00	0.03	14.96
10	9.36	0.00	0.00	0.00	2.75	1208.99	10	8.71	0.00	0.00	0.00	2.10	924.88	10	0.65	0.00	0.00	0.00	0.03	15.58
11	8.82	0.00	0.00	0.00	2.79	1215.02	11	8.71	0.00	0.00	0.00	2.13	931.46	11	0.11	0.00	0.00	0.00	0.04	15.65
12	8.75	0.00	0.00	0.00	2.93	1220.84	12	8.71	0.00	0.00	0.00	2.24	937.93	12	0.04	0.00	0.00	0.00	0.04	15.65
13	8.71	0.00	0.00	0.00	3.58	1225.97	13	8.71	0.00	0.00	0.00	2.75	943.89	13	0.00	0.00	0.00	0.00	0.05	15.60
14	8.71	0.00	0.00	0.00	4.99	1229.69	14	8.71	0.00	0.00	0.00	3.84	948.76	14	0.00	0.00	0.00	0.00	0.06	15.54
15	8.71	0.00	0.00	0.00	4.18	1234.22	15	8.71	0.00	0.00	0.00	3.23	954.24	15	0.00	0.00	0.00	0.00	0.05	15.49
16	8.71	0.00	0.00	0.00	3.15	1239.78	16	8.71	0.00	0.00	0.00	2.43	960.52	16	0.00	0.00	0.00	0.00	0.04	15.45
17	8.71	0.00	0.00	0.00	3.18	1245.31	17	8.71	0.00	0.00	0.00	2.46	966.77	17	0.00	0.00	0.00	0.00	0.04	15.41
18	8.71	0.00	0.00	0.00	3.21	1250.81	18	8.71	0.00	0.00	0.00	2.49	972.99	18	0.00	0.00	0.00	0.00	0.04	15.37
19	8.71	0.00	0.00	0.00	2.58	1256.94	19	8.71	0.00	0.00	0.00	2.00	979.70	19	0.00	0.00	0.00	0.00	0.03	15.34
20	8.71	0.00	0.00	0.00	3.06	1262.59	20	8.71	0.00	0.00	0.00	2.38	986.03	20	0.00	0.00	0.00	0.00	0.04	15.30
21	8.71	0.00	0.00	0.00	2.84	1268.46	21	8.71	0.00	0.00	0.00	2.22	992.52	21	0.00	0.00	0.00	0.00	0.03	15.27
22	8.71	0.00	0.00	0.00	1.26	1275.91	22	8.71	0.00	0.00	0.00	0.99	1000.24	22	0.00	0.00	0.00	0.00	0.02	15.25
23	8.71	0.00	0.00	0.00	3.03	1281.59	23	8.71	0.00	0.00	0.00	2.37	1006.58	23	0.00	0.00	0.00	0.00	0.04	15.21
24	8.71	0.00	0.00	0.00	3.05	1287.25	24	8.71	0.00	0.00	0.00	2.39	1012.90	24	0.00	0.00	0.00	0.00	0.04	15.17
25	8.71	0.00	0.00	0.00	2.96	1293.00	25	8.71	0.00	0.00	0.00	2.33	1019.28	25	0.00	0.00	0.00	0.00	0.03	15.14
26	8.71	0.00	0.00	0.00	4.42	1297.29	26	8.71	0.00	0.00	0.00	3.49	1024.50	26	0.00	0.00	0.00	0.00	0.05	15.09
27	7.72	0.00	0.00	0.00	3.15	1301.86	27	7.72	0.00	0.00	0.00	2.48	1029.74	27	0.00	0.00	0.00	0.00	0.04	15.05
28	0.00	0.00	0.00	0.00	4.61	1297.25	28	0.00	0.00	0.00	0.00	3.65	1026.09	28	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						188.60							69.25							3.20
1	0.00	0.00	0.00	0.00	0.27	188.33	1	0.00	0.00	0.00	0.00	0.10	69.15	1	0.00	0.00	0.00	0.00	0.00	3.20
2	0.00	0.00	0.00	0.00	0.59	187.74	2	0.00	0.00	0.00	0.00	0.22	68.93	2	0.00	0.00	0.00	0.00	0.01	3.19
3	0.00	0.00	0.00	0.00	0.58	187.16	3	0.00	0.00	0.00	0.00	0.21	68.72	3	0.00	0.00	0.00	0.00	0.01	3.18
4	0.00	0.00	0.00	0.00	0.58	186.58	4	0.00	0.00	0.00	0.00	0.21	68.51	4	0.00	0.00	0.00	0.00	0.01	3.17
5	0.00	0.00	0.00	0.00	0.60	185.98	5	0.00	0.00	0.00	0.00	0.22	68.29	5	0.00	0.00	0.00	0.00	0.01	3.16
6	0.00	0.00	0.00	0.00	0.36	185.62	6	0.00	0.00	0.00	0.00	0.13	68.16	6	0.00	0.00	0.00	0.00	0.01	3.15
7	0.00	0.00	0.00	0.00	0.60	185.02	7	0.00	0.00	0.00	0.00	0.22	67.94	7	0.00	0.00	0.00	0.00	0.01	3.14
8	0.00	0.00	0.00	0.00	1.03	183.99	8	0.00	0.00	0.00	0.00	0.38	67.56	8	0.00	0.00	0.00	0.00	0.02	3.12
9	0.00	0.00	0.00	0.00	0.42	183.57	9	0.00	0.00	0.00	0.00	0.15	67.41	9	0.00	0.00	0.00	0.00	0.01	3.11
10	0.00	0.00	0.00	0.00	0.42	183.15	10	0.00	0.00	0.00	0.00	0.15	67.26	10	0.00	0.00	0.00	0.00	0.01	3.10
11	0.00	0.00	0.00	0.00	0.42	182.73	11	0.00	0.00	0.00	0.00	0.15	67.11	11	0.00	0.00	0.00	0.00	0.01	3.09
12	0.00	0.00	0.00	0.00	0.44	182.29	12	0.00	0.00	0.00	0.00	0.16	66.95	12	0.00	0.00	0.00	0.00	0.01	3.08
13	0.00	0.00	0.00	0.00	0.54	181.75	13	0.00	0.00	0.00	0.00	0.20	66.75	13	0.00	0.00	0.00	0.00	0.01	3.07
14	0.00	0.00	0.00	0.00	0.74	181.01	14	0.00	0.00	0.00	0.00	0.27	66.48	14	0.00	0.00	0.00	0.00	0.01	3.06
15	0.00	0.00	0.00	0.00	0.62	180.39	15	0.00	0.00	0.00	0.00	0.23	66.25	15	0.00	0.00	0.00	0.00	0.01	3.05
16	0.00	0.00	0.00	0.00	0.46	179.93	16	0.00	0.00	0.00	0.00	0.17	66.08	16	0.00	0.00	0.00	0.00	0.01	3.04
17	0.00	0.00	0.00	0.00	0.46	179.47	17	0.00	0.00	0.00	0.00	0.17	65.91	17	0.00	0.00	0.00	0.00	0.01	3.03
18	0.00	0.00	0.00	0.00	0.46	179.01	18	0.00	0.00	0.00	0.00	0.17	65.74	18	0.00	0.00	0.00	0.00	0.01	3.02
19	0.00	0.00	0.00	0.00	0.36	178.65	19	0.00	0.00	0.00	0.00	0.13	65.61	19	0.00	0.00	0.00	0.00	0.01	3.01
20	0.00	0.00	0.00	0.00	0.43	178.22	20	0.00	0.00	0.00	0.00	0.16	65.45	20	0.00	0.00	0.00	0.00	0.01	3.00
21	0.00	0.00	0.00	0.00	0.40	177.82	21	0.00	0.00	0.00	0.00	0.15	65.30	21	0.00	0.00	0.00	0.00	0.01	2.99
22	0.00	0.00	0.00	0.00	0.18	177.64	22	0.00	0.00	0.00	0.00	0.07	65.23	22	0.00	0.00	0.00	0.00	0.00	2.99
23	0.00	0.00	0.00	0.00	0.42	177.22	23	0.00	0.00	0.00	0.00	0.15	65.08	23	0.00	0.00	0.00	0.00	0.01	2.98
24	0.00	0.00	0.00	0.00	0.42	176.80	24	0.00	0.00	0.00	0.00	0.15	64.93	24	0.00	0.00	0.00	0.00	0.01	2.97
25	0.00	0.00	0.00	0.00	0.41	176.39	25	0.00	0.00	0.00	0.00	0.15	64.78	25	0.00	0.00	0.00	0.00	0.01	2.96
26	0.00	0.00	0.00	0.00	0.60	175.79	26	0.00	0.00	0.00	0.00	0.22	64.56	26	0.00	0.00	0.00	0.00	0.01	2.95
27	0.00	0.00	0.00	0.00	0.43	175.36	27	0.00	0.00	0.00	0.00	0.16	64.40	27	0.00	0.00	0.00	0.00	0.01	2.94
28	0.00	0.00	0.00	0.00	0.62	174.74	28	0.00	0.00	0.00	0.00	0.23	64.17	28	0.00	0.00	0.00	0.00	0.01	2.93
29	0.00	0.00	0.00	0.00	0.67	174.07	29	0.00	0.00	0.00	0.00	0.25	63.92	29	0.00	0.00	0.00	0.00	0.01	2.92
30	0.00	0.00	0.00	0.00	0.65	173.42	30	0.00	0.00	0.00	0.00	0.24	63.68	30	0.00	0.00	0.00	0.00	0.01	2.91
	0.00	0.00	0.00	0.00	15.18			0.00	0.00	0.00	0.00	5.57		0.00	0.00	0.00	0.00	0.00	0.29	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						119.35							141.80							131.53
1	0.00	0.00	0.00	0.00	0.17	119.18	1	0.00	0.00	0.00	0.00	0.20	141.60	1	0.00	0.00	0.00	0.00	0.19	131.34
2	0.00	0.00	0.00	0.00	0.37	118.81	2	0.00	0.00	0.00	0.00	0.44	141.16	2	0.00	0.00	0.00	0.00	0.41	130.93
3	0.00	0.00	0.00	0.00	0.37	118.44	3	0.00	0.00	0.00	0.00	0.44	140.72	3	0.00	0.00	0.00	0.00	0.41	130.52
4	0.00	0.00	0.00	0.00	0.37	118.07	4	0.00	0.00	0.00	0.00	0.44	140.28	4	0.00	0.00	0.00	0.00	0.41	130.11
5	0.00	0.00	0.00	0.00	0.38	117.69	5	0.00	0.00	0.00	0.00	0.45	139.83	5	0.00	0.00	0.00	0.00	0.41	129.70
6	0.00	0.00	0.00	0.00	0.23	117.46	6	0.00	0.00	0.00	0.00	0.27	139.56	6	0.00	0.00	0.00	0.00	0.25	129.45
7	0.00	0.00	0.00	0.00	0.38	117.08	7	0.00	0.00	0.00	0.00	0.46	139.10	7	0.00	0.00	0.00	0.00	0.42	129.03
8	0.00	0.00	0.00	0.00	0.65	116.43	8	0.00	0.00	0.00	0.00	0.77	138.33	8	0.00	0.00	0.00	0.00	0.71	128.32
9	0.00	0.00	0.00	0.00	0.27	116.16	9	0.00	0.00	0.00	0.00	0.32	138.01	9	0.00	0.00	0.00	0.00	0.29	128.03
10	0.00	0.00	0.00	0.00	0.27	115.89	10	0.00	0.00	0.00	0.00	0.32	137.69	10	0.00	0.00	0.00	0.00	0.29	127.74
11	0.00	0.00	0.00	0.00	0.27	115.62	11	0.00	0.00	0.00	0.00	0.32	137.37	11	0.00	0.00	0.00	0.00	0.29	127.45
12	0.00	0.00	0.00	0.00	0.28	115.34	12	0.00	0.00	0.00	0.00	0.33	137.04	12	0.00	0.00	0.00	0.00	0.31	127.14
13	0.00	0.00	0.00	0.00	0.34	115.00	13	0.00	0.00	0.00	0.00	0.40	136.64	13	0.00	0.00	0.00	0.00	0.37	126.77
14	0.00	0.00	0.00	0.00	0.47	114.53	14	0.00	0.00	0.00	0.00	0.56	136.08	14	0.00	0.00	0.00	0.00	0.52	126.25
15	0.00	0.00	0.00	0.00	0.39	114.14	15	0.00	0.00	0.00	0.00	0.46	135.62	15	0.00	0.00	0.00	0.00	0.43	125.82
16	0.00	0.00	0.00	0.00	0.29	113.85	16	0.00	0.00	0.00	0.00	0.35	135.27	16	0.00	0.00	0.00	0.00	0.32	125.50
17	0.00	0.00	0.00	0.00	0.29	113.56	17	0.00	0.00	0.00	0.00	0.35	134.92	17	0.00	0.00	0.00	0.00	0.32	125.18
18	0.00	0.00	0.00	0.00	0.29	113.27	18	0.00	0.00	0.00	0.00	0.35	134.57	18	0.00	0.00	0.00	0.00	0.32	124.86
19	0.00	0.00	0.00	0.00	0.23	113.04	19	0.00	0.00	0.00	0.00	0.28	134.29	19	0.00	0.00	0.00	0.00	0.26	124.60
20	0.00	0.00	0.00	0.00	0.27	112.77	20	0.00	0.00	0.00	0.00	0.33	133.96	20	0.00	0.00	0.00	0.00	0.30	124.30
21	0.00	0.00	0.00	0.00	0.25	112.52	21	0.00	0.00	0.00	0.00	0.30	133.66	21	0.00	0.00	0.00	0.00	0.28	124.02
22	0.00	0.00	0.00	0.00	0.11	112.41	22	0.00	0.00	0.00	0.00	0.13	133.53	22	0.00	0.00	0.00	0.00	0.12	123.90
23	0.00	0.00	0.00	0.00	0.27	112.14	23	0.00	0.00	0.00	0.00	0.32	133.21	23	0.00	0.00	0.00	0.00	0.29	123.61
24	0.00	0.00	0.00	0.00	0.27	111.87	24	0.00	0.00	0.00	0.00	0.32	132.89	24	0.00	0.00	0.00	0.00	0.29	123.32
25	0.00	0.00	0.00	0.00	0.26	111.61	25	0.00	0.00	0.00	0.00	0.31	132.58	25	0.00	0.00	0.00	0.00	0.28	123.04
26	0.00	0.00	0.00	0.00	0.38	111.23	26	0.00	0.00	0.00	0.00	0.45	132.13	26	0.00	0.00	0.00	0.00	0.42	122.62
27	0.00	0.00	0.00	0.00	0.27	110.96	27	0.00	0.00	0.00	0.00	0.32	131.81	27	0.00	0.00	0.00	0.00	0.30	122.32
28	0.00	0.00	0.00	0.00	0.39	110.57	28	0.00	0.00	0.00	0.00	0.47	131.34	28	0.00	0.00	0.00	0.00	0.43	121.89
29	0.00	0.00	0.00	0.00	0.42	110.15	29	0.00	0.00	0.00	0.00	0.50	130.84	29	0.00	0.00	0.00	0.00	0.47	121.42
30	0.00	0.00	0.00	0.00	0.41	109.74	30	0.00	0.00	0.00	0.00	0.49	130.35	30	0.00	0.00				



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 30, 2022

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 2022

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, 2022.

Table 1 shows the amount of pumping during the month of October 2022 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 2022.



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 207.03 acre-feet of Keesee Ditch shares to the Downstream Consumable subaccount. LAWMA also delivered 0.39 acre-feet of Highland Canal shares to the Kansas Charge subaccount. The amount delivered into the Offset Account in October 2022 totaled 207.42 acre-feet.

As of October 31, 2022, a total of 1,579.45 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of October 2022 is attached in Enclosure 1.

It should be noted that the October Rule 14 accounting showed a deficit of 49.7 acre-feet at the Stateline. If after final review, a deficit remains, a separate notice will be sent to Kansas and arrangements made to rectify any deficits via an Offset Account transfer.

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
Ayrton Hendrix
Bill Tyner
Noah Friesen
Bethany Arnold
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
October 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	192.372	81.66
2	BOOTH ORCHARD	0.56	0.29
3	EXCELSIOR	0.00	0.00
4	COLLIER	0.00	0.00
5	COLORADO	115.51	81.37
6	ROCKY FORD HIGHLINE	157.46	57.09
7	OXFORD	331.52	217.92
8	OTERO	0.13	0.05
9	CATLIN	617.32	236.52
10	FORT LYON US	234.99	113.32
11	ROCKY FORD	1.79	0.9
12	HOLBROOK	55.61	23.97
13	LAS ANIMAS CONSOLIDATED	42.38	15.65
14	BALDWIN-STUBBS	124.76	63.84
15	FORT BENT	3.78	2.09
17	AMITY	295.07	186.43
18	LAMAR/MANVEL	71.45	35.56
19	HYDE	0	0
20	FORT LYON DS	276.42	147.15
21	XY GRAHAM	40.84	26.24
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	7.09	5.32
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	7742.765	4134.08

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
October 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
28.28	7.28	0.00	110.57	34.79	3.02	79.41	46.94	6.76	0.00	151.31	468.37

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
October 2022

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	180.25	680.60	30.59	891.44	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	147.62	557.41	25.05	730.09	
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	9.56	0.00	0.00	0.00					9.56	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	0.00									0.00	0.00
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0.00							72.00		72.00	0
XY Direct Flow	0.00				0.00	0.00				0.00	0
Manvel Direct Flow	0.00									0.00	0
Offset Account Release Credit	608.39									658.09	-49.70
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	9.56	0.00	0.00	0.00	0.00	169.35	0.00	72.00	658.09	739.65
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline.

Enclosure 1

John Martin Offset Accounting for October 2022

Offset Account

October 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream Total							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1460.83							254.22							0.00
1	7.70	0.00	0.00	0.00	5.53	1463.00	1	0.00	0.00	0.00	0.00	0.96	253.26	1	0.00	0.00	0.00	0.00	0.00	0.00
2	7.70	0.00	0.00	0.00	5.43	1465.27	2	0.00	0.00	0.00	0.00	0.94	252.32	2	0.00	0.00	0.00	0.00	0.00	0.00
3	7.70	0.00	0.00	0.00	1.83	1471.14	3	0.00	0.00	0.00	0.00	0.31	252.01	3	0.00	0.00	0.00	0.00	0.00	0.00
4	7.70	0.00	0.00	0.00	2.93	1475.91	4	0.00	0.00	0.00	0.00	0.51	251.50	4	0.00	0.00	0.00	0.00	0.00	0.00
5	7.98	0.00	0.00	0.00	3.85	1480.04	5	0.00	0.00	0.00	0.00	0.66	250.84	5	0.00	0.00	0.00	0.00	0.00	0.00
6	7.71	0.00	0.00	0.00	1.31	1486.44	6	0.00	0.00	0.00	0.00	0.22	250.62	6	0.00	0.00	0.00	0.00	0.00	0.00
7	7.70	0.00	0.00	0.00	2.75	1491.39	7	0.00	0.00	0.00	0.00	0.47	250.15	7	0.00	0.00	0.00	0.00	0.00	0.00
8	7.70	0.00	0.00	0.00	2.76	1496.33	8	0.00	0.00	0.00	0.00	0.47	249.68	8	0.00	0.00	0.00	0.00	0.00	0.00
9	7.70	0.00	0.00	0.00	2.76	1501.27	9	0.00	0.00	0.00	0.00	0.47	249.21	9	0.00	0.00	0.00	0.00	0.00	0.00
10	7.70	0.00	0.00	0.00	2.79	1506.18	10	0.00	0.00	0.00	0.00	0.47	248.74	10	0.00	0.00	0.00	0.00	0.00	0.00
11	7.70	0.00	0.00	0.00	3.08	1510.80	11	0.00	0.00	0.00	0.00	0.51	248.23	11	0.00	0.00	0.00	0.00	0.00	0.00
12	7.70	0.00	0.00	0.00	2.05	1516.45	12	0.00	0.00	0.00	0.00	0.33	247.90	12	0.00	0.00	0.00	0.00	0.00	0.00
13	7.70	0.00	0.00	0.00	1.91	1522.24	13	0.00	0.00	0.00	0.00	0.31	247.59	13	0.00	0.00	0.00	0.00	0.00	0.00
14	7.75	0.00	0.00	0.00	1.91	1528.08	14	0.00	0.00	0.00	0.00	0.31	247.28	14	0.00	0.00	0.00	0.00	0.00	0.00
15	7.70	0.00	0.00	0.00	1.92	1533.86	15	0.00	0.00	0.00	0.00	0.31	246.97	15	0.00	0.00	0.00	0.00	0.00	0.00
16	7.70	0.00	0.00	0.00	1.93	1539.63	16	0.00	0.00	0.00	0.00	0.31	246.66	16	0.00	0.00	0.00	0.00	0.00	0.00
17	7.75	0.00	0.00	0.00	2.07	1545.31	17	0.00	0.00	0.00	0.00	0.33	246.33	17	0.00	0.00	0.00	0.00	0.00	0.00
18	7.70	0.00	0.00	0.00	2.52	1550.49	18	0.00	0.00	0.00	0.00	0.40	245.93	18	0.00	0.00	0.00	0.00	0.00	0.00
19	7.70	0.00	0.00	0.00	2.09	1556.10	19	0.00	0.00	0.00	0.00	0.33	245.60	19	0.00	0.00	0.00	0.00	0.00	0.00
20	7.70	0.00	0.00	0.00	4.08	1559.72	20	0.00	0.00	0.00	0.00	0.65	244.95	20	0.00	0.00	0.00	0.00	0.00	0.00
21	7.70	0.00	0.00	0.00	5.14	1562.28	21	0.00	0.00	0.00	0.00	0.80	244.15	21	0.00	0.00	0.00	0.00	0.00	0.00
22	7.70	0.00	0.00	0.00	5.16	1564.82	22	0.00	0.00	0.00	0.00	0.80	243.35	22	0.00	0.00	0.00	0.00	0.00	0.00
23	7.70	0.00	0.00	0.00	5.34	1567.18	23	0.00	0.00	0.00	0.00	0.83	242.52	23	0.00	0.00	0.00	0.00	0.00	0.00
24	7.70	0.00	0.00	0.00	1.22	1573.66	24	0.00	0.00	0.00	0.00	0.19	242.33	24	0.00	0.00	0.00	0.00	0.00	0.00
25	7.70	0.00	0.00	0.00	2.00	1579.36	25	0.00	0.00	0.00	0.00	0.31	242.02	25	0.00	0.00	0.00	0.00	0.00	0.00
26	7.70	0.00	0.00	0.00	2.31	1584.75	26	0.00	0.00	0.00	0.00	0.35	241.67	26	0.00	0.00	0.00	0.00	0.00	0.00
27	6.83	0.00	0.00	0.00	4.04	1587.54	27	0.00	0.00	0.00	0.00	0.62	241.05	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.71	1585.83	28	0.00	0.00	0.00	0.00	0.25	240.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.71	1584.12	29	0.00	0.00	0.00	0.00	0.25	240.55	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.55	1582.57	30	0.00	0.00	0.00	0.00	0.23	240.32	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	3.12	1579.45	31	0.00	0.00	0.00	0.00	0.48	239.84	31	0.00	0.00	0.00	0.00	0.00	0.00
207.42 0.00 0.00 0.00 88.80							0.00 0.00 0.00 0.00 14.38							0.00 0.00 0.00 0.00 0.00						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1287.41							1018.31							14.88
1	7.70	0.00	0.00	0.00	4.87	1290.24	1	7.70	0.00	0.00	0.00	3.85	1022.16	1	0.00	0.00	0.00	0.00	0.06	14.82
2	7.70	0.00	0.00	0.00	4.78	1293.16	2	7.70	0.00	0.00	0.00	3.79	1026.07	2	0.00	0.00	0.00	0.00	0.05	14.77
3	7.70	0.00	0.00	0.00	1.61	1299.25	3	7.70	0.00	0.00	0.00	1.28	1032.49	3	0.00	0.00	0.00	0.00	0.02	14.75
4	7.70	0.00	0.00	0.00	2.58	1304.37	4	7.70	0.00	0.00	0.00	2.04	1038.15	4	0.00	0.00	0.00	0.00	0.03	14.72
5	7.98	0.00	0.00	0.00	3.41	1308.94	5	7.70	0.00	0.00	0.00	2.71	1043.14	5	0.28	0.00	0.00	0.00	0.04	14.96
6	7.71	0.00	0.00	0.00	1.15	1315.50	6	7.70	0.00	0.00	0.00	0.92	1049.92	6	0.01	0.00	0.00	0.00	0.01	14.96
7	7.70	0.00	0.00	0.00	2.43	1320.77	7	7.70	0.00	0.00	0.00	1.93	1055.69	7	0.00	0.00	0.00	0.00	0.03	14.93
8	7.70	0.00	0.00	0.00	2.44	1326.03	8	7.70	0.00	0.00	0.00	1.94	1061.45	8	0.00	0.00	0.00	0.00	0.03	14.90
9	7.70	0.00	0.00	0.00	2.45	1331.28	9	7.70	0.00	0.00	0.00	1.95	1067.20	9	0.00	0.00	0.00	0.00	0.03	14.87
10	7.70	0.00	0.00	0.00	2.47	1336.51	10	7.70	0.00	0.00	0.00	1.97	1072.93	10	0.00	0.00	0.00	0.00	0.03	14.84
11	7.70	0.00	0.00	0.00	2.73	1341.48	11	7.70	0.00	0.00	0.00	2.19	1078.44	11	0.00	0.00	0.00	0.00	0.03	14.81
12	7.70	0.00	0.00	0.00	1.82	1347.36	12	7.70	0.00	0.00	0.00	1.47	1084.67	12	0.00	0.00	0.00	0.00	0.02	14.79
13	7.70	0.00	0.00	0.00	1.70	1353.36	13	7.70	0.00	0.00	0.00	1.37	1091.00	13	0.00	0.00	0.00	0.00	0.02	14.77
14	7.75	0.00	0.00	0.00	1.70	1359.41	14	7.70	0.00	0.00	0.00	1.37	1097.33	14	0.05	0.00	0.00	0.00	0.02	14.80
15	7.70	0.00	0.00	0.00	1.71	1365.40	15	7.70	0.00	0.00	0.00	1.38	1103.65	15	0.00	0.00	0.00	0.00	0.02	14.78
16	7.70	0.00	0.00	0.00	1.72	1371.38	16	7.70	0.00	0.00	0.00	1.39	1109.96	16	0.00	0.00	0.00	0.00	0.02	14.76
17	7.75	0.00	0.00	0.00	1.85	1377.28	17	7.70	0.00	0.00	0.00	1.50	1116.16	17	0.05	0.00	0.00	0.00	0.02	14.79
18	7.70	0.00	0.00	0.00	2.25	1382.73	18	7.70	0.00	0.00	0.00	1.83	1122.03	18	0.00	0.00	0.00	0.00	0.02	14.77
19	7.70	0.00	0.00	0.00	1.87	1388.56	19	7.70	0.00	0.00	0.00	1.52	1128.21	19	0.00	0.00	0.00	0.00	0.02	14.75
20	7.70	0.00	0.00	0.00	3.64	1392.62	20	7.70	0.00	0.00	0.00	2.95	1132.96	20	0.00	0.00	0.00	0.00	0.04	14.71
21	7.70	0.00	0.00	0.00	4.59	1395.73	21	7.70	0.00	0.00	0.00	3.74	1136.92	21	0.00	0.00	0.00	0.00	0.05	14.66
22	7.70	0.00	0.00	0.00	4.61	1398.82	22	7.70	0.00	0.00	0.00	3.76	1140.86	22	0.00	0.00	0.00	0.00	0.05	14.61
23	7.70	0.00	0.00	0.00	4.77	1401.75	23	7.70	0.00	0.00	0.00	3.89	1144.67	23	0.00	0.00	0.00	0.00	0.05	14.56
24	7.70	0.00	0.00	0.00	1.09	1408.36	24	7.70	0.00	0.00	0.00	0.89	1151.48	24	0.00	0.00	0.00	0.00	0.01	14.55
25	7.70	0.00	0.00	0.00	1.79	1414.27	25	7.70	0.00	0.00	0.00	1.46	1157.72	25	0.00	0.00	0.00	0.00	0.02	14.53
26	7.70	0.00	0.00	0.00	2.07	1419.90	26	7.70	0.00	0.00	0.00	1.70	1163.72	26	0.00	0.00	0.00	0.00	0.02	14.51
27	6.83	0.00	0.00	0.00	3.62	1423.11	27	6.83	0.00	0.00	0.00	2.96	1167.59	27	0.00	0.00	0.00	0.00	0.04</	

Offset Account

October 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						173.42							63.68							2.91
1	0.00	0.00	0.00	0.00	0.66	172.76	1	0.00	0.00	0.00	0.00	0.24	63.44	1	0.00	0.00	0.00	0.00	0.01	2.90
2	0.00	0.00	0.00	0.00	0.65	172.11	2	0.00	0.00	0.00	0.00	0.24	63.20	2	0.00	0.00	0.00	0.00	0.01	2.89
3	0.00	0.00	0.00	0.00	0.22	171.89	3	0.00	0.00	0.00	0.00	0.08	63.12	3	0.00	0.00	0.00	0.00	0.00	2.89
4	0.00	0.00	0.00	0.00	0.35	171.54	4	0.00	0.00	0.00	0.00	0.13	62.99	4	0.00	0.00	0.00	0.00	0.01	2.88
5	0.00	0.00	0.00	0.00	0.44	171.10	5	0.00	0.00	0.00	0.00	0.16	62.83	5	0.00	0.00	0.00	0.00	0.01	2.87
6	0.00	0.00	0.00	0.00	0.16	170.94	6	0.00	0.00	0.00	0.00	0.06	62.77	6	0.00	0.00	0.00	0.00	0.00	2.87
7	0.00	0.00	0.00	0.00	0.32	170.62	7	0.00	0.00	0.00	0.00	0.12	62.65	7	0.00	0.00	0.00	0.00	0.01	2.86
8	0.00	0.00	0.00	0.00	0.32	170.30	8	0.00	0.00	0.00	0.00	0.12	62.53	8	0.00	0.00	0.00	0.00	0.01	2.85
9	0.00	0.00	0.00	0.00	0.31	169.99	9	0.00	0.00	0.00	0.00	0.11	62.42	9	0.00	0.00	0.00	0.00	0.01	2.84
10	0.00	0.00	0.00	0.00	0.32	169.67	10	0.00	0.00	0.00	0.00	0.12	62.30	10	0.00	0.00	0.00	0.00	0.01	2.83
11	0.00	0.00	0.00	0.00	0.35	169.32	11	0.00	0.00	0.00	0.00	0.13	62.17	11	0.00	0.00	0.00	0.00	0.01	2.82
12	0.00	0.00	0.00	0.00	0.23	169.09	12	0.00	0.00	0.00	0.00	0.08	62.09	12	0.00	0.00	0.00	0.00	0.00	2.82
13	0.00	0.00	0.00	0.00	0.21	168.88	13	0.00	0.00	0.00	0.00	0.08	62.01	13	0.00	0.00	0.00	0.00	0.00	2.82
14	0.00	0.00	0.00	0.00	0.21	168.67	14	0.00	0.00	0.00	0.00	0.08	61.93	14	0.00	0.00	0.00	0.00	0.00	2.82
15	0.00	0.00	0.00	0.00	0.21	168.46	15	0.00	0.00	0.00	0.00	0.08	61.85	15	0.00	0.00	0.00	0.00	0.00	2.82
16	0.00	0.00	0.00	0.00	0.21	168.25	16	0.00	0.00	0.00	0.00	0.08	61.77	16	0.00	0.00	0.00	0.00	0.00	2.82
17	0.00	0.00	0.00	0.00	0.22	168.03	17	0.00	0.00	0.00	0.00	0.08	61.69	17	0.00	0.00	0.00	0.00	0.00	2.82
18	0.00	0.00	0.00	0.00	0.27	167.76	18	0.00	0.00	0.00	0.00	0.10	61.59	18	0.00	0.00	0.00	0.00	0.00	2.82
19	0.00	0.00	0.00	0.00	0.22	167.54	19	0.00	0.00	0.00	0.00	0.08	61.51	19	0.00	0.00	0.00	0.00	0.00	2.82
20	0.00	0.00	0.00	0.00	0.44	167.10	20	0.00	0.00	0.00	0.00	0.16	61.35	20	0.00	0.00	0.00	0.00	0.01	2.81
21	0.00	0.00	0.00	0.00	0.55	166.55	21	0.00	0.00	0.00	0.00	0.20	61.15	21	0.00	0.00	0.00	0.00	0.01	2.80
22	0.00	0.00	0.00	0.00	0.55	166.00	22	0.00	0.00	0.00	0.00	0.20	60.95	22	0.00	0.00	0.00	0.00	0.01	2.79
23	0.00	0.00	0.00	0.00	0.57	165.43	23	0.00	0.00	0.00	0.00	0.21	60.74	23	0.00	0.00	0.00	0.00	0.01	2.78
24	0.00	0.00	0.00	0.00	0.13	165.30	24	0.00	0.00	0.00	0.00	0.05	60.69	24	0.00	0.00	0.00	0.00	0.00	2.78
25	0.00	0.00	0.00	0.00	0.21	165.09	25	0.00	0.00	0.00	0.00	0.08	60.61	25	0.00	0.00	0.00	0.00	0.00	2.78
26	0.00	0.00	0.00	0.00	0.24	164.85	26	0.00	0.00	0.00	0.00	0.09	60.52	26	0.00	0.00	0.00	0.00	0.00	2.78
27	0.00	0.00	0.00	0.00	0.42	164.43	27	0.00	0.00	0.00	0.00	0.15	60.37	27	0.00	0.00	0.00	0.00	0.01	2.77
28	0.00	0.00	0.00	0.00	0.18	164.25	28	0.00	0.00	0.00	0.00	0.07	60.30	28	0.00	0.00	0.00	0.00	0.00	2.77
29	0.00	0.00	0.00	0.00	0.18	164.07	29	0.00	0.00	0.00	0.00	0.07	60.23	29	0.00	0.00	0.00	0.00	0.00	2.77
30	0.00	0.00	0.00	0.00	0.16	163.91	30	0.00	0.00	0.00	0.00	0.06	60.17	30	0.00	0.00	0.00	0.00	0.00	2.77
31	0.00	0.00	0.00	0.00	0.32	163.59	31	0.00	0.00	0.00	0.00	0.12	60.05	31	0.00	0.00	0.00	0.00	0.01	2.76
	0.00	0.00	0.00	0.00	9.83			0.00	0.00	0.00	0.00	3.63		0.00	0.00	0.00	0.00	0.00	0.15	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						109.74							130.35							120.96
1	0.00	0.00	0.00	0.00	0.42	109.32	1	0.00	0.00	0.00	0.00	0.49	129.86	1	0.00	0.00	0.00	0.00	0.46	120.50
2	0.00	0.00	0.00	0.00	0.41	108.91	2	0.00	0.00	0.00	0.00	0.48	129.38	2	0.00	0.00	0.00	0.00	0.45	120.05
3	0.00	0.00	0.00	0.00	0.14	108.77	3	0.00	0.00	0.00	0.00	0.16	129.22	3	0.00	0.00	0.00	0.00	0.15	119.90
4	0.00	0.00	0.00	0.00	0.22	108.55	4	0.00	0.00	0.00	0.00	0.26	128.96	4	0.00	0.00	0.00	0.00	0.24	119.66
5	0.00	0.00	0.00	0.00	0.28	108.27	5	0.00	0.00	0.00	0.00	0.34	128.62	5	0.00	0.00	0.00	0.00	0.31	119.35
6	0.00	0.00	0.00	0.00	0.10	108.17	6	0.00	0.00	0.00	0.00	0.11	128.51	6	0.00	0.00	0.00	0.00	0.11	119.24
7	0.00	0.00	0.00	0.00	0.20	107.97	7	0.00	0.00	0.00	0.00	0.24	128.27	7	0.00	0.00	0.00	0.00	0.22	119.02
8	0.00	0.00	0.00	0.00	0.20	107.77	8	0.00	0.00	0.00	0.00	0.24	128.03	8	0.00	0.00	0.00	0.00	0.22	118.80
9	0.00	0.00	0.00	0.00	0.20	107.57	9	0.00	0.00	0.00	0.00	0.24	127.79	9	0.00	0.00	0.00	0.00	0.22	118.58
10	0.00	0.00	0.00	0.00	0.20	107.37	10	0.00	0.00	0.00	0.00	0.24	127.55	10	0.00	0.00	0.00	0.00	0.22	118.36
11	0.00	0.00	0.00	0.00	0.22	107.15	11	0.00	0.00	0.00	0.00	0.26	127.29	11	0.00	0.00	0.00	0.00	0.24	118.12
12	0.00	0.00	0.00	0.00	0.15	107.00	12	0.00	0.00	0.00	0.00	0.17	127.12	12	0.00	0.00	0.00	0.00	0.16	117.96
13	0.00	0.00	0.00	0.00	0.13	106.87	13	0.00	0.00	0.00	0.00	0.16	126.96	13	0.00	0.00	0.00	0.00	0.15	117.81
14	0.00	0.00	0.00	0.00	0.13	106.74	14	0.00	0.00	0.00	0.00	0.16	126.80	14	0.00	0.00	0.00	0.00	0.15	117.66
15	0.00	0.00	0.00	0.00	0.13	106.61	15	0.00	0.00	0.00	0.00	0.16	126.64	15	0.00	0.00	0.00	0.00	0.15	117.51
16	0.00	0.00	0.00	0.00	0.13	106.48	16	0.00	0.00	0.00	0.00	0.16	126.48	16	0.00	0.00	0.00	0.00	0.15	117.36
17	0.00	0.00	0.00	0.00	0.14	106.34	17	0.00	0.00	0.00	0.00	0.17	126.31	17	0.00	0.00	0.00	0.00	0.16	117.20
18	0.00	0.00	0.00	0.00	0.17	106.17	18	0.00	0.00	0.00	0.00	0.21	126.10	18	0.00	0.00	0.00	0.00	0.19	117.01
19	0.00	0.00	0.00	0.00	0.14	106.03	19	0.00	0.00	0.00	0.00	0.17	125.93	19	0.00	0.00	0.00	0.00	0.16	116.85
20	0.00	0.00	0.00	0.00	0.28	105.75	20	0.00	0.00	0.00	0.00	0.33	125.60	20	0.00	0.00	0.00	0.00	0.31	116.54
21	0.00	0.00	0.00	0.00	0.35	105.40	21	0.00	0.00	0.00	0.00	0.41	125.19	21	0.00	0.00	0.00	0.00	0.38	116.16
22	0.00	0.00	0.00	0.00	0.35	105.05	22	0.00	0.00	0.00	0.00	0.41	124.78	22	0.00	0.00	0.00	0.00	0.38	115.78
23	0.00	0.00	0.00	0.00	0.36	104.69	23	0.00	0.00	0.00	0.00	0.43	124.35	23	0.00	0.00	0.00	0.00	0.39	115.39
24	0.00	0.00	0.00	0.00	0.08	104.61	24	0.00	0.00	0.00	0.00	0.10	124.25	24	0.00	0.00	0.00	0.00	0.09	115.30
25	0.00	0.00	0.00	0.00	0.13	104.48	25	0.00	0.00	0.00	0.00	0.16	124.09	25	0.00	0.00	0.00	0.00	0.15	115.15
26	0.00	0.00	0.00	0.00	0.15	104.33	26	0.00	0.00	0.00	0.00	0.18	123.91	26	0.00	0.00	0.00	0.00	0.17	114.98
27	0.00	0.00	0.00	0.00	0.27	104.06	27	0.00	0.00	0.00	0.00	0.32	123.59	27	0.00	0.00	0.00	0.00	0.29	114.69
28	0.00	0.00	0.00	0.00	0.11	103.95	28	0.00	0.00	0.00	0.00	0.13	123.46	28	0.00	0.00	0.00	0.00	0.12	114.57
29	0.00	0.00	0.00	0.00	0.11	103.84	29	0.00	0.00	0.00	0									