

Amador Regional Sanitation Authority

“Servicing Amador City, Martell, & Sutter Creek”

AGENDA

May 25, 2022

9:00 A.M. CLOSED SESSION Meeting

10:00 A.M. REGULAR Meeting

33 Church Street, Sutter Creek CA 95685

The Agenda can be found on the City of Sutter Creek’s Website: www.cityofsuttercreek.org

THIS MEETING WILL BE CONDUCTED IN-PERSON AT 33 CHURCH STREET

and available by Zoom:

Join Zoom Meeting

<https://us02web.zoom.us/j/9568520224>

or

Dial by phone:

301-715-8592

Meeting ID: 956 852 0224

Public comment will be accepted by email at info@cityofsuttercreek.org. All emails must be received prior to the start of the meeting.

- 9:00 a.m.** **1. CLOSED SESSION**
 A. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One potential case.
- 10:00 a.m.** **2. REGULAR MEETING: CALL TO ORDER AND ESTABLISH A QUORUM –**
3. PLEDGE OF ALLEGIANCE TO THE FLAG
4. PUBLIC FORUM
Discussion items only, no action to be taken. Any person may address the Board at this time upon any subject within the jurisdiction of the Amador Regional Sanitation Authority; however, any matter that requires action may be referred to staff and/or Committee for a report and recommendation for possible action at a subsequent Board meeting. Please note – there is a five (5) minute limit per topic.
5. INFORMATION/CORRESPONDENCE- None.
This section provides informational updates regarding staff activities and operations where no Board action is required.
6. CONSENT AGENDA
Items listed on the consent agenda are considered routine and may be enacted in one motion. Any item may be removed for discussion at the request of the Board or the Public.
*** A. Minutes of April 27, 2022**
Recommendation: Approve Minutes of April 27, 2022

- * B. Approval of Warrants
Recommendation: Approve warrants.
- * C. 2021-22 Budget Update
Recommendation: For information only.
- * D. System Status Report
Recommendation: For information only.

7. ADMINISTRATIVE AGENDA

8. GENERAL MANAGER'S REPORT

9. BOARD MEMBER REPORTS

10. ADJOURNMENT

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

MINUTES SPECIAL MEETING OF THE BOARD OF DIRECTORS April 27, 2022

Present:

Robin Peters, Chairman
Richard Forster, Vice Chairman
Frank Axe, Board Member
Jim Swift, Board Member
Absent: Susan Bragstad, Board Member

Staff Present:

Amy Gedney, General Manager
Karen Darrow, City Clerk
Harriet Steiner, ARSA Attorney

1. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL—ANTICIPATED LITIGATION Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One potential case.

2. CALL TO ORDER AND ESTABLISH A QUORUM

Meeting called to order by Chairman Peters at 10:08 A.M.

3. PLEDGE OF ALLEGIANCE TO THE FLAG

Chairman Peters led the Pledge of Allegiance.

4. PUBLIC FORUM

Jim Scully of Ione commented that he believes ARSA could be sued as the owner of the pipe that is transporting toxic waste. He handed out copies of a court case supporting his comment.

5. INFORMATION/CORRESPONDENCE

A. Letter from Patrick Palupa regarding watershed meeting- dated April 18, 2022

Board member Forster suggested that the letter be sent back to Mr. Palupa since he admitted at the last workshop that a state agency regulating a state agency is a problematic relationship.

General Manager Gedney noted that she would find out when the next workshop will be held.

6. CONSENT AGENDA

Items listed on the consent agenda are considered routine and may be enacted in one motion. Any item may be removed for discussion at the request of the Board or the Public.

A. Minutes of February 23, 2022

Recommendation: Approve Minutes of February 23, 2022

M/S Forster/Axe to Approve the Minutes of February 23, 2022, as amended.

AYES: Axe, Forster, Swift and Peters

NOES: None

ABSTAIN: None

ABSENT: Bragstad

MOTION CARRIED

- B. Approval of Warrants
Recommendation: Approve warrants.

M/S Axe/Swift to Approve the warrants, as presented.

AYES: Axe, Forster, Swift and Peters
NOES: None
ABSTAIN: None
ABSENT: Bragstad
MOTION CARRIED

- C. 2021-22 Budget Update
Recommendation: For information only
So Noted.
- D. System Status Report
Recommendation: For information only.
So noted.

7. ADMINISTRATIVE MATTERS

- A. Resolution 21-22-* Recognizing Attorney Harriet Steiner

Chairman Peters presented a gift and thanked Arsa Attorney Steiner for her service on behalf of the ARSA Board.

M/S Axe/Forster to Adopt Resolution 21-22-02 Recognizing Attorney Harriet Steiner, as amended.

AYES: Axe, Forster, Swift and Peters
NOES: None
ABSTAIN: None
ABSENT: Bragstad
MOTION CARRIED

8. GENERAL MANAGER'S REPORT

General Manager Gedney noted that she will meet with the Water Board on May 6th and next week with Ione City Manager Michael Rock to discuss the upcoming water season.

9. BOARD MEMBER REPORTS

Board member Forster noted that the Governor issued a drought order that prohibits local governments from granting a well-drilling permit if it would be inconsistent with the area's groundwater management plan.

ADJOURNMENT

The meeting was adjourned at 10:33 a.m.

Karen Darrow, Secretary

Robin Peters, Chairman

Date Approved:

Warrant List

May 2022

Name/Account	Type	Num	Date	Paid Amount
City of Sutter Creek	Check	1657	05/25/2022	
Contract with COSC	Bill	2022-05	05/11/2022	14,478.33
Engineering	Bill			135.00
Vehicle Maintenance	Bill			51.74
TOTAL				14,665.07
 Hunt & Sons, Inc.	 Check	 1658	 05/25/2022	
Fuel	Bill	384867	04/30/2022	139.09
Fuel	Bill	396706	05/15/2022	260.35
TOTAL				399.44
 Weber, Ghio & Associates, Inc.	 Check	 1659	 05/25/2022	
Engineering	Bill	10187	05/12/2022	2,821.50
TOTAL				2,821.50

2:05 PM

05/16/22

Accrual Basis

Amador Regional Sanitation Authority (ARSA)

Balance Sheet

As of April 30, 2022

	Apr 30, 22
ASSETS	
Current Assets	
Checking/Savings	
10000 · Checking - Umpqua	512,164.64
10010 · Savings - Umpqua	297,116.52
Total Checking/Savings	809,281.16
Total Current Assets	809,281.16
Fixed Assets	
101707 · Capital Replacement Fund	292,432.03
101708 · ARSA District	15,588.59
150620 · Long Term Assets Structures	1,884,800.13
150621 · Long Term Assets Structures Dep	-1,884,800.15
150630 · Long Term Assets Equipment	151.00
150631 · Long Term Assets Equipment Depr	-151.00
35000 · Investment in Capital Assets	841,648.00
Total Fixed Assets	1,149,668.60
Other Assets	
120000 · Note Receivable	450,000.00
120100 · Accrued Interest Receivable	164,035.45
Total Other Assets	614,035.45
TOTAL ASSETS	2,572,985.21
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	-987.11
Total Accounts Payable	-987.11
Total Current Liabilities	-987.11
Total Liabilities	-987.11
Equity	
30000 · Opening Balance Equity	2,956,020.55
32000 · Retained Earnings	-428,930.27
Net Income	46,882.04
Total Equity	2,573,972.32
TOTAL LIABILITIES & EQUITY	2,572,985.21

Amador Regional Sanitation Authority (ARSA)**Budget vs. Actual**

July 2021 through March 2022

	Budget	Jul '21 - Mar 22	% of Budget	YE Projection
Income				
Interest Income	150.00	118.82	79.21%	150.00
Reimbursed Expenses	19,000.00	23,783.00	125.17%	23,783.00
Use Fee Revenue				
Amador City	18,385.00	13,788.75	75.0%	18,385.00
Amador Water Agency	86,552.00	64,914.00	75.0%	86,552.00
City of Sutter Creek	387,956.00	290,967.00	75.0%	387,956.00
Total Use Fee Revenue	492,893.00	369,669.75	75.0%	492,893.00
Total Income	512,043.00	393,571.57	76.86%	516,826.00
Expense				
Employee Services				
Contract with COSC	173,740.00	115,826.64	66.67%	173,740.00
Overtime	15,000.00	7,243.48	48.29%	10,000.00
Operations				
Audit & Accounting	6,000.00	0.00	0.0%	5,000.00
Contingency	42,192.00	0.00	0.0%	42,192.00
Engineering				
Inundation mapping	10,000.00	8,112.00	81.12%	10,000.00
Engineering - General	35,000.00	9,382.83	26.81%	25,000.00
Flood Control	2,000.00	0.00	0.0%	1,000.00
Fuel	19,000.00	4,666.92	24.56%	10,000.00
General Supplies	500.00	0.00	0.0%	500.00
Legal	15,000.00	44,210.88	294.74%	50,000.00
Membership Dues	1,700.00	1,606.46	94.5%	1,606.46
O&M Building/Structures	1,500.00	1,200.00	80.0%	1,500.00
Repairs & Maintenance	20,000.00	612.54	3.06%	10,000.00
Risk Management - Liability	19,761.00	18,550.49	93.87%	19,761.00
Taxes/Fees/Licenses	55,000.00	61,410.31	111.66%	62,000.00
Tertiary Treatment Fees	70,000.00	33,985.50	48.55%	68,000.00
Vehicle Maintenance	5,000.00	6,794.49	135.89%	7,000.00
Weed Control	1,500.00	0.00	0.0%	500.00
Total Expense	492,893.00	313,602.54	63.62%	497,799.46

ARSA SYSTEM FLOW AND VOLUME
2014 - Present

Item 6D

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Bowers Volume irrigated (ac ft)	Henderson Freeboard	Henderson Volume in Henderson (af)	Henderson Outflow (mg)	Henderson outflow (ac ft)	Hoskins Irrigation (mg)	Hoskins Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Mule Creek Inflow (ac ft)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to Ione (mg)	Volume sent to Ione (ac ft)	TOTAL Ac Ft in the system	TOTAL USED FOR IRRIGATION
2014																		
1/31/2014	6.8	20.9	0.0	0.0	15'8"	97.4	7.1	21.8	0.0	0.0	3.4	10.4	17'1"	40.9	0.0	0.0		0.0
2/28/2014	12.3	37.7	0.0	0.0	11'5"	168.1	5.5	16.9	0.0	0.0	12.1	37.1	11'9"	90.0	0.0	0.0	258.15	0.0
3/31/2014	13.9	42.7	0.0	0.0	8'	238.5	7.3	22.4	0.0	0.0	0.0	0.0	13'2"	75.1	0.0	0.0	313.63	0.0
4/30/2014	11.0	33.8	0.0	0.0	6'2"	281.3	13.6	41.7	0.0	0.0	0.0	0.0	8'7"	128.4	5.2	16.0	409.68	16.0
5/31/2014	8.8	27.0	0.0	0.0	5'9"	291.5	12.2	37.4	0.0	0.0	0.0	0.0	12'3"	84.6	21.9	67.2	376.13	67.2
6/30/2014	8.2	25.2	8.2	25.2	7'1"	259.5	9.7	29.8	4.5	13.8	45.2	138.7	9'1"	121.9	28.4	87.2	381.35	126.1
7/31/2014	8.0	24.6	7.8	23.9	9'9"	201.0	13.0	39.9	4.7	14.4	31.4	96.4	10'3"	107.3	37.4	114.8	308.29	153.1
8/31/2014	8.4	25.8	5.8	17.8	11'6"	166.5	15.1	46.3	4.6	14.1	11.1	34.1	16'6"	45.4	38.9	119.4	211.9	151.3
9/30/2014	8.2	25.2	5.2	16.0	14'4"	117.6	16.4	50.3	4.6	14.1	10.1	31.0	19'3"	26.5	27.7	85.0	144.1	115.1
10/31/2014	8.1	24.9	3.7	11.4	17'7"	71.7	15.7	48.2	3.2	9.8	5.8	17.8	18'5"	31.7	14.1	43.3	103.34	64.4
11/30/2014	8.2	25.2	3.2	9.8	19'	55.1	16.2	49.7	0.8	2.5	0.0	0.0	13'3"	74.2	0.1	0.3	129.31	12.6
12/31/2014	16.0	49.1	0.0	0.0	13'1"	138.2	7.1	21.8	0.0	0.0	0.0	0.0	10'9"	101.4	0.0	0.0	239.55	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	117.9	361.8	33.9	104.0				138.9	426.3	22.4	68.7	119.1	365.5		173.7	533.1		705.8
2015																		
1/31/2015	9.7	29.8	0.0	0.0	10'	195.8	4.2	12.9	0.0	0.0	0.0	0.0	10'5"	105.3	0.0	0.0		0.0
2/28/2015	13.3	40.8	0.0	0.0	7'1"	259.5	6.6	20.3	0.0	0.0	0.0	0.0	8'8"	127.3	0.0	0.0	386.76	0.0
3/31/2015	9.7	29.8	0.0	0.0	6'5"	275.3	12.3	37.7	1.7	5.2	0.1	0.3	6'8"	154.9	0.0	0.0	430.16	5.2
4/30/2015	8.5	26.1	0.0	0.0	5'9"	291.5	19.2	59.0	5.6	17.2	0.0	0.1	5'8"	169.7	8.8	27.0	461.25	44.2
5/31/2015	8.2	25.1	0.0	0.0	5'7"	295.7	12.7	38.9	7.3	22.4	0.0	0.0	9'3"	119.7	22.6	69.3	415.38	91.8
6/30/2015	7.2	21.9	5.7	17.4	8'7"	225.7	20.7	63.5	10.1	30.9	15.8	48.4	8'9"	126.2	28.3	86.8	351.83	135.2
7/31/2015	7.2	22.1	6.6	20.3	12'3"	152.8	22.7	69.7	10.0	30.7	24.8	76.1	8'1"	135.1	32.6	100.1	287.82	151.1
8/31/2015	7.5	23.0	7.5	23.0	15'9"	96.2	16.9	51.9	10.3	31.6	23.3	71.5	7'2"	147.7	32.6	99.9	243.94	154.5
9/30/2015	7.6	23.3	5.8	17.8	19'6"	49.7	14.6	44.8	6.5	19.9	15.6	47.8	8'9"	126.2	31.4	96.2	175.89	133.9
10/31/2015	7.8	23.9	4.5	13.8	24'1"	12.7	19.7	60.5	5.8	17.8	0.0	0.0	10'9"	101.4	23.0	70.6	114.09	102.2
11/30/2015	8.4	25.8	0.0	0.0	21'1"	34.5	3.9	12.1	0.0	0.0	0.0	0.0	14'6"	62.3	10.9	33.4	96.76	33.4
12/31/2015	13.4	41.1	0.0	0.0	17'2"	76.9	9.8	30.1	0.0	0.0	0.0	0.0	14'	67.0	6.6	20.2	143.89	20.2
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	108.4	332.6	30.1	92.3				163.4	501.3	57.3	175.8	79.6	244.2		196.6	603.5		871.6

ARSA SYSTEM FLOW AND VOLUME
2014 - Present

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Bowers Volume irrigated (ac ft)	Henderson Freeboard	Henderson Volume in Henderson (af)	Henderson Outflow (mg)	Henderson outflow (ac ft)	Hoskins Irrigation (mg)	Hoskins Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Mule Creek Inflow (ac ft)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to Ione (mg)	Volume sent to Ione (ac ft)	TOTAL Ac Ft in the system	TOTAL USED FOR IRRIGATION
2016																		
1/31/2016	19.0	58.2	0.0	0.0	121"	155.8	12.4	38.0	0.0	0.0	0.0	0.0	11'4"	94.7	3.9	12.1	250.47	12.1
2/29/2016	10.7	32.8	0.0	0.0	10'9"	180.9	17.8	54.6	0.0	0.0	0.0	0.0	8'7"	128.4	4.0	12.4	309.27	12.4
3/31/2016	17.7	54.2	0.0	0.0	8'7"	225.7	15.1	46.3	0.0	0.0	0.0	0.0	5'7"	171.0	3.4	10.3	396.64	10.3
4/30/2016	10.7	32.8	0.0	0.0	8'5"	229.3	13.7	42.0	0.0	0.0	0.0	0.0	5'7"	171.0	9.1	27.8	400.29	27.8
5/31/2016	9.3	28.5	0.0	0.0	9'9"	201.0	23.0	70.7	0.0	0.0	0.0	0.0	7'7"	141.9	27.3	83.8	342.85	83.8
6/30/2016	8.3	25.3	2.9	8.9	14'4"	117.6	32.2	99.0	2.2	6.6	0.0	0.0	9'8"	114.5	36.0	110.4	232.06	125.9
7/31/2016	9.0	27.6	9.0	27.6	20'1"	43.8	25.4	78.0	5.3	16.4	35.9	110.3	7'6"	143.1	40.9	125.6	186.84	169.5
8/31/2016	9.2	28.2	9.2	28.2	22'3"	24.9	8.7	26.6	3.2	9.9	32.9	101.0	8'3"	132.8	44.1	135.4	157.68	173.6
9/30/2016	8.3	25.5	6.3	19.2	25'8"	5.0	10.8	33.2	2.2	6.6	10.3	31.6	13'2"	75.1	37.5	115.1	80.06	140.9
10/31/2016	11.0	33.8	2.5	7.6	23'2"	18.4	5.9	18.2	0.0	0.0	4.0	12.3	14'4"	63.8	6.4	19.5	82.18	27.2
11/30/2016	11.2	34.5	0.0	0.0	20'8"	38.2	5.3	16.3	0	0.0	0.0	0.0	14'2"	65.4	0.0	0.0	103.6	0.0
12/31/2016	16.5	50.5	0.0	0.0	16'8"	83.5	10.4	32.0	0.0	0.0	0.0	0.0	11'6"	92.8	0.0	0.0	176.32	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	140.8	432.0	29.8	91.5			180.8	554.9	12.9	39.6	83.2	255.2			212.6	652.5		783.5
2017																		
1/31/2017	30.9	94.8	0.0	0.0	9'3"	211.4	10.7	32.8	0.0	0.0	0.0	0.0	6'8"	154.9	0.0	0.0	366.25	0.0
2/28/2017	26.5	81.3	0.0	0.0	4'1"	334.2	10.2	31.4	0.0	0.0	0.0	0.0	4'4"	190.6	0.0	0.0	524.72	0.0
3/31/2017	15.5	47.6	0.0	0.0	1'5"	408.4	14.1	43.3	0.0	0.0	0.0	0.0	1'5"	240.4	1.5	4.7	648.74	4.7
4/30/2017	16.1	49.5	0.0	0.0	1'6"	405.9	34.9	107.3	0.0	0.0	0.0	0.0	1'8"	235.9	5.9	18.2	641.82	18.2
5/31/2017	9.6	29.4	0.0	0.0	3'7"	347.5	38.0	116.6	2.7	8.4	0.0	0.0	1'2"	244.9	27.4	83.9	592.42	92.4
6/30/2017	8.9	27.3	8.0	24.6	6'7"	271.3	36.0	110.5	8.8	27.0	0.0	0.0	3'2"	209.8	36.2	111.2	481.07	162.7
7/31/2017	8.6	26.4	8.7	26.7	11'	176.1	35.0	107.4	10.7	32.8	0.0	0.0	6'11"	151.3	41.8	128.3	327.34	187.8
8/31/2017	8.8	27.0	8.7	26.7	13'9"	127.0	20.6	63.1	8.6	26.4	0.0	0.0	7'6"	143.1	12.1	37.3	270.02	90.3
9/30/2017	8.7	26.7	8.7	26.7	16'2"	90.3	18.3	56.2	11.9	36.5	0.0	0.0	6'10"	152.5	0.0	0.0	242.81	63.2
10/31/2017	8.0	24.6	8.1	24.9	17'4"	74.8	13.8	42.3	9.4	28.8	0.0	0.0	9'7"	115.5	17.2	52.6	190.33	106.3
11/30/2017	11.5	35.3	0.9	2.7	14'10"	121.6	9.7	29.8	7.4	22.7	0.0	0.0	11'1"	97.5	27.2	83.5	219.1	108.9
12/31/2017	9.5	29.2	0.0	0.0	12'9"	143.9		0.0	6.3	19.3	0.0	0.0	10'6"	104.4	0.0	0.0	248.26	19.3
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	162.6	499.0	43.1	132.2			241.3		65.8	202.0	0.0	0.0			169.3	519.6		853.9

ARSA SYSTEM FLOW AND VOLUME
2014 - Present

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Bowers Volume irrigated (ac ft)	Henderson Freeboard	Henderson Volume in Henderson (af)	Henderson Outflow (mg)	Henderson outflow (ac ft)	Hoskins Irrigation (mg)	Hoskins Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Mule Creek Inflow (ac ft)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to Ione (mg)	Volume sent to Ione (ac ft)	TOTAL Ac Ft in the system	TOTAL USED FOR IRRIGATION
2018																		
1/31/2018	13.6	41.7	0	0.0	9'7"	206.1	8.4	25.8	0	0	0	0.0	8'8"	128.4	0.0	0.0	334.5	0.0
2/28/2018	8.7	26.7	0	0.0	7'10"	240.4	5.1	15.7	0	0.0	0	0.0	8'3"	133.9	0.0	0.0	374.3	0.0
3/31/2018	22.1	67.8	0	0.0	4'1"	332.9	8.00	24.6	0	0.0	0	0.0	5'11"	164.1	0.0	0.0	497	0.0
4/30/2018	14.1	43.3	0	0.0	3'9"	342.6	23.8	73.0	6.0	18.4	0	0.0	3'3"	200.9	1.2	3.5	543.5	21.9
5/31/2018	9.3	28.5	0	0.0	3'10"	340.6	16.9	51.9	9.9	30.4	0	0.0	8'2"	133.9	27.7	85.0	474.5	115.4
6/30/2018	8.4	25.8	5.3	16.3	5'8"	295.1	21.2	65.1	9.6	29.5	0	0.0	15'1"	59.6	37.7	115.8	354.7	161.5
7/31/2018	9.3	28.5	9.2	28.2	10'0"	193.7	35.4	108.6	9.5	29.2	0	0.0	22'0"	17.0	42.9	131.5	210.7	188.9
8/31/2018	9.7	29.8	9.7	29.8	11'7"	163.6	12	36.8	5.8	17.8	0	0.0	20'9"	22.0	0.0	0.0	185.6	47.6
9/30/2018	9	27.6	9	27.6	13'11"	123.9	16	49.1	10.7	32.8	0	0.0	19'3"	36.2	0.0	0.0	160.1	60.5
10/31/2018	8.9	27.3	8.9	27.3	15'2"	106.0	16.2	49.7	10.0	30.7	0	0.0	11'	45.6	0.0	0.0	151.6	58.0
11/30/2018	10.5	32.2	5.8	17.8	15'1"	107.2	14.9	45.7	5.6	17.2	0	0.0	14'10"	60.9	0.0	0.0	168.1	35.0
12/31/2018	11.7	35.9	0	0.0	13'6"	131.2	15.2	46.6	0	0.0	0	0.0	11'2"	94.9	0.0	0.0	226.1	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	135.3	415.2	47.9	147.0	0		193.1		67.1	205.9	0	0.0	0		109.4	335.9		688.8
2019																		
1/31/2019	17.4	53.4	0	0	10'5"	185.4	36.7	112.6	0	0	0	0.0	8'3"	132.8	0	0	318.2	0.0
2/28/2019	23.3	71.5	0	0.0	6'6"	271.9	4.8	14.7	0	0.0	0	0.0	6'6"	157.3	0	0.0	429.22	0.0
3/31/2019	20.2	62.0	0	0.0	3'6"	350.4	7.6	23.3	0	0.0	0	0.0	4'8"	185.2	0	0.0	535.64	0.0
4/30/2019	11.9	36.5	0	0.0	2'9"	271.4	15.8	48.5	4.2	12.9	0	0.0	3'2"	209.8	2	6.1	481.19	19.0
5/31/2019	12.7	39.0	0	0.0	3'6"	350.4	24.0	73.7	5.8	17.8	0	0.0	4'8"	185.2	20.9	64.1	535.64	81.9
6/30/2019	10	30.7	5.2	16.0	5'10"	288.5	26.5	81.3	12.3	37.7	0	0.0	7'3"	146.6	29	89.0	435.06	142.7
7/31/2019	7.6	23.3	9.9	30.4	8'11"	217.9	22.9	70.3	13.8	42.4	0	0.0	14'7"	61.5	40.6	124.6	279.44	197.3
8/31/2019	10	30.7	10	30.7	10'7"	184.2	13.4	41.1	11.8	36.2	0	0.0	17'2"	40.3	6.2	19.0	224.52	85.9
9/30/2019	9.6	29.5	9.4	28.8	12'6"	148.3	13.7	42.0	10.4	31.9	0	0.0	17'1"	40.9	0	0.0	189.23	60.8
10/31/2019	9	27.6	9	27.6	14'3"	119.6		0.0	12.2	37.4	0	0.0	16'5"	46.0	0	0.0	165.61	65.1
11/30/2019	7.2	22.1	5.1	15.7	14'1"	121.6	9.3	28.5	5.7	17.5	0	0.0	14'11"	58.5	0	0.0	180.14	33.1
12/31/2019	12.6	38.7	0	0.0	12'3"	152.2	0	0.0	0	0.0	0	0.0	13'2"	75.1	0	0.0	227.3	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	151.5	464.9	48.6	149.1	0		174.7		76.2	233.8	0	0.0	0		98.7	302.9		685.9

ARSA SYSTEM FLOW AND VOLUME
2014 - Present

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Bowers Volume irrigated (ac ft)	Henderson Freeboard	Henderson Volume in Henderson (af)	Henderson Outflow (mg)	Henderson outflow (ac ft)	Hoskins Irrigation (mg)	Hoskins Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Mule Creek Inflow (ac ft)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to Ione (mg)	Volume sent to Ione (ac ft)	TOTAL Ac Ft in the system	TOTAL USED FOR IRRIGATION
2020																		
1/31/2020	10.3	31.6	0	0.0	11'2"	172.9	8.5	26.1	0	0	0	0.0	12'2"	85.5	0	0	258.4	0.0
2/29/2020	8	24.6	0	0.0	10'7"	184.2	3.5	10.7	0	0.0	0	0.0	11'7"	91.9	0	0.0	276.08	0.0
3/31/2020	12.85	39.4	0	0.0	8'11"	214.9	7.4	22.7	0	0.0	0	0.0	10'1"	109.4	0	0.0	324.26	0.0
4/30/2020	12.61	38.7	0	0.0	7'8"	246.1	6.3	19.3	0	0.0	0	0.0	10'8"	102.4	8.84	27.1	348.5	27.1
5/31/2020	8.2	25.2	1.4	4.3	8'6"	227.5	4.2	12.9	7.5	23.0	0	0.0	13'11"	67.8	23.9	73.3	295.3	100.7
6/30/2020	8.3	25.5	8.3	25.5	11'6"	166.5	6.3	19.3	5.7	17.5	0	0.0	19'6"	25.1	28.9	88.7	191.6	131.7
7/31/2020	8.3	25.5	8.3	25.5	14'11"	108.5	19.2	58.9	3.9	12.0	0	0.0	15'10"	50.7	0	0.0	159.2	37.4
8/31/2020	8.3	25.5	8.3	25.5	17'11"	67.6	13.3	40.8	2.3	7.1	0	0.0	14'0"	67.0	0	0.0	134.56	32.5
9/30/2020	8.2	25.2	8.2	25.2	19'2"	53.3	8.4	25.8	2.3	7.1	14	43.0	13'0"	76.8	13.9	42.7	130.09	74.9
10/31/2020	8.8	27.0	8.8	27.0	21'2"	33.7	11.9	36.5	2.4	7.4	0	0.0	17'9"	36.2	23.4	71.8	69.86	106.2
11/30/2020	9.1	27.9	3.5	10.7	22'	26.8	7.62	23.4	2.3	7.1	0	0.0	18'8"	30.1	30.7	94.2	56.89	112.0
12/31/2020	9.9	30.4	0	0.0	21'0"	35.9	8.8	27.0	0	0.0	0	0.0	16'8"	44.1	0	0.0	79.97	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	112.86	346.3	46.8	143.6	0		105.42		26.4	81.0	14	43.0	0		129.64	397.8		622.5
2021																		
1/31/2021	12.6	38.7	0	0	17'6"	72.7	3.9	12.0	0	0.0	0	0.0	15'3"	55.6	0	0	128.3	0.0
2/29/2021	10.9	33.4	0	0	16'1"	91.5	2.6	8.0	0	0.0	0	0.0	14'9"	60.0	0	0.0	151.49	0.0
3/31/2021	11.9	36.5	0	0	13'1"	138.2	3.5	10.7	0	0.0	0	0.0	14'7"	61.5	0	0.0	199.65	0.0
4/30/2021	10.2	31.3	0	0	14'7"	113.7		0.0	0	0.0	0	0.0	16'11"	42.2	20.7	63.5	155.85	63.5
5/31/2021	10.7	32.8	6.6	20.3	19'10"	46.3	27.2	83.5	0	0.0	0	0.0	21'4"	15.7	36.2	111.1	61.97	131.3
6/30/2021	10.4	31.9	7.4	22.7	21'5"	31.6	8.7	26.7	0	0.0	0	0.0	20'10"	18.0	1.9	5.8	49.6	28.5
7/31/2021	10.2	31.3	7.1	21.8	22'1"	26.2	3.9	12.0	0.2	0.5	0	0.0	21'0"	17.2	0	0.0	43.39	22.3
8/31/2021	10.1	31.0	6.9	21.2	22'6"	23.0	5.6	17.2	2	6.1	0	0.0	21'6"	15.0	0	0.0	37.96	27.3
9/30/2021	9.7	29.8	5.2	16.0	23'8"	15.2	6.9	21.2	1.7	5.2	0	0.0	21'0"	17.2	0	0.0	32.38	21.2
10/31/2021	13.8	42.3	3.6	11.0	20'5"	40.6	5	15.3	0	0.0	0	0.0	10'0"	110.4	0	0.0	150.94	11.0
11/30/2021	11.7	35.9	0	0.0	18'11"	56.0	7.9	24.2	0	0.0	0	0.0	9'10"	112.4	0	0.0	168.41	0.0
12/31/2021	21.2	65.1	0	0.0	14'2"	120.2		0.0	0	0.0	0	0.0	14'8"	60.8	0	0.0	180.98	0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)	143	440	37	113	0		75		4	12	0	0.0	0		59	180		305.2
2022																		
1/31/2022	12.9	39.6	0	0	12'9"	142.9	6.2	19.0	0	0	0	0.0	13'9"	69.4	0	0	212.25	0.0
2/29/2022	10.6	32.5	0	0	12'0"	157.3	5.5	16.9	0	0	0	0.0	12'10"	78.5	0	0	235.79	0.0
3/31/2022	11	33.8	0	0	11'8"	163.4	2.7	8.3	0	0	0	0.0	12'1"	86.4	1.6	4.9	249.83	4.9
4/30/2022	12.7	39.0	0	0	11'3"	171.3	9.1	27.9	0	0	0	0	10'1"	109.4	0	0	280.62	0.0
5/31/2022																		0.0
6/30/2022																		0.0
7/31/2022																		0.0
8/31/2022																		0.0
9/30/2022																		0.0
10/31/2022																		0.0
11/30/2022																		0.0
12/31/2022																		0.0
Total Flow (mg) or Total Annual Volume Irrigated (Ac ft)		144.8	0	0					0	0					1.6	4.910208		4.9