

Amador Regional Sanitation Authority

“Servicing Amador City, Martell, & Sutter Creek”

AGENDA

JULY 27, 2022

10:00 A.M. REGULAR Meeting

10:30 A.M. CLOSED Session

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.

- 10:00 a.m.**
- 1. REGULAR MEETING: CALL TO ORDER AND ESTABLISH A QUORUM –**
 - 2. PLEDGE OF ALLEGIANCE TO THE FLAG**
 - 3. 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.
 - 4. INFORMATION/CORRESPONDENCE- None.**
This section provides informational updates regarding staff activities and operations where no Board action is required.
 - 5. 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 June 22, 2022**
Recommendation: Approve Minutes of June 22, 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.

6. GENERAL MANAGER’S REPORT

7. BOARD MEMBER REPORTS

8. CLOSED SESSION

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.

9. REPORT FROM CLOSED SESSION

ADJOURN

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

MINUTES SPECIAL MEETING OF THE BOARD OF DIRECTORS June 22, 2022

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

Staff Present:
Amy Gedney
Jodi Steneck
Frank Splendorio

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 10:00 A.M.

3. PLEDGE OF ALLEGIANCE TO THE FLAG

Chairman Peters led the Pledge of Allegiance.

REPORT FROM CLOSED SESSION

Direction was given to staff

4. PUBLIC FORUM

Al Bierce of Sutter Creek expressed frustration with the Ione City Council discussion of the ARSA/Ione/Castle Oaks relationship at their meeting last night. He reported that he suggested to them, that in the best interest of all parties, they need to work something out with ARSA and turn that relationship around. He also noted that there is a concern that a water shortage at Castle Oaks would affect revenue to Ione.

5. INFORMATION/CORRESPONDENCE- None.

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 May 25, 2022
Recommendation: Approve Minutes of May 25, 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.

M/S Forster/Swift to Approve the Consent Agenda.

AYES: Axe, Bragstad, Forster, Swift and Peters

NOES: None

ABSTAIN: None

ABSENT: None

MOTION CARRIED

7. ADMINISTRATIVE AGENDA

***** A. 2022-2023 Annual Operating Budget

Recommendation: Adopt Resolution 21-22- adopting the Annual 2022-2023 Operating Budget.*

M/S Swift/Axe to Adopt Resolution 21-22-03 adopting the Annual 2022-2023 Operating Budget..

AYES: Axe, Bragstad, Forster, Swift and Peters

NOES: None

ABSTAIN: None

ABSENT: None

8. GENERAL MANAGER'S REPORT

General Manager Gedney reported that the underdrain plans are still being reviewed and expects construction to be delayed until next year, Bowers just started irrigating and there is currently 277-acre feet in the system. She also noted that water is available to Ione and that ARSA has been working to combat the odor problem.

9. BOARD MEMBER REPORTS- None.

10. ADJOURNMENT

The meeting was adjourned at 10:40 am

Karen Darrow, Secretary

Robin Peters, Chairman

Date Approved:

Amador Regional Sanitation Authority (ARSA) Unpaid Bills Detail

	Date	As of July 19, 2022	Due Date	Open Balance	Description
Amador Air District	07/01/2022	16756	07/11/2022	205.96	Annual Permit
Total Amador Air District				205.96	
Best Best & Krieger, LLP	06/30/2022	941206	06/30/2022	1,332.00	CDCR vs ARSA
	06/30/2022	941205	06/30/2022	952.38	General
Total Best Best & Krieger, LLP				2,284.38	
Central Valley Salinity Coalition Inc.	07/01/2022	22-1773	07/11/2022	1,196.25	Annual Participation fee
Total Central Valley Salinity Coalition Inc.				1,196.25	
City of Ione'	06/30/2022	119977	07/10/2022	16,992.75	April to June 2022
Total City of Ione'				16,992.75	
City of Sutter Creek	06/30/2022	2022-06	07/10/2022	17,389.14	Contract & OT
Total City of Sutter Creek				17,389.14	
Ferguson Enterprises, Inc.	06/28/2022	0023535	07/08/2022	279.68	Repairs
Total Ferguson Enterprises, Inc.				279.68	
Hunt & Sons, Inc.	06/15/2022	442912	06/25/2022	409.76	Fuel
	06/30/2022	469131	07/10/2022	378.56	Fuel
Total Hunt & Sons, Inc.				788.32	
Ione ACE Hardware	06/30/2022	106-june 2022	07/15/2022	159.68	Repairs
Total Ione ACE Hardware				159.68	
SDRMA	07/01/2022	71944	07/11/2022	21,005.00	FY 2022-23
Total SDRMA				21,005.00	
Weber, Ghio & Associates, Inc.	06/30/2022	10426	06/30/2022	611.70	Gen Engineering
	06/30/2022	10427	06/30/2022	228.00	Inundation Study
	06/30/2022	10428	06/30/2022	370.70	Vintage Estates Parcel 7
Total Weber, Ghio & Associates, Inc.				1,210.40	
TOTAL				61,511.56	

9:33 AM

07/20/22

Accrual Basis

Amador Regional Sanitation Authority (ARSA)

Balance Sheet

As of June 30, 2022

	Jun 30, 22
ASSETS	
Current Assets	
Checking/Savings	
10000 · Checking - Umpqua	546,608.84
10010 · Savings - Umpqua	297,123.92
Total Checking/Savings	843,732.76
Total Current Assets	843,732.76
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	166,430.19
Total Other Assets	616,430.19
TOTAL ASSETS	2,609,831.55
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · Accounts Payable	38,958.61
Total Accounts Payable	38,958.61
Total Current Liabilities	38,958.61
Total Liabilities	38,958.61
Equity	
30000 · Opening Balance Equity	2,956,020.55
32000 · Retained Earnings	-428,930.27
Net Income	43,782.66
Total Equity	2,570,872.94
TOTAL LIABILITIES & EQUITY	2,609,831.55

Amador Regional Sanitation Authority (ARSA)

Budget vs. Actual

July 2021 through June 2022

	Budget	Jul '21 - Jun 22	% of Budget	YE Projection
Income				
Interest Income	150.00	2,534.57	1,689.71%	2,534.57
Reimbursed Expenses	19,000.00	23,783.00	125.17%	23,783.00
Use Fee Revenue				
Amador City	18,385.00	18,385.00	100.0%	18,385.00
Amador Water Agency	86,552.00	86,552.00	100.0%	86,552.00
City of Sutter Creek	387,956.00	387,956.00	100.0%	387,956.00
Total Use Fee Revenue	492,893.00	492,893.00	100.0%	492,893.00
Total Income	512,043.00	519,210.57	101.4%	519,210.57
Expense				
Employee Services				
Contract with COSC	173,740.00	173,739.96	100.0%	173,739.96
Overtime	15,000.00	11,245.46	74.97%	11,245.46
Operations				
Audit & Accounting	6,000.00	0.00	0.0%	0.00
Contingency	42,192.00	0.00	0.0%	0.00
Engineering				
Inundation mapping	10,000.00	10,078.50	100.79%	10,078.50
Engineering - Other	35,000.00	57,118.82	163.2%	57,118.82
Flood Control	2,000.00	0.00	0.0%	0.00
Fuel	19,000.00	6,493.79	34.18%	6,493.79
General Supplies	500.00	93.60	18.72%	93.60
Legal	15,000.00	57,114.66	380.76%	57,114.66
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%	1,200.00
Repairs & Maintenance	20,000.00	1,534.24	7.67%	1,534.24
Risk Management - Liability	19,761.00	18,550.49	93.87%	18,550.49
Taxes/Fees/Licenses	55,000.00	61,410.31	111.66%	61,410.31
Tertiary Treatment Fees	70,000.00	67,971.00	97.1%	67,971.00
Vehicle Maintenance	5,000.00	6,846.20	136.92%	6,846.20
Weed Control	1,500.00	0.00	0.0%	0.00
Total Expense	492,893.00	475,003.49	96.37%	475,003.49

5:08 PM

07/19/22

Amador Regional Sanitation Authority (ARSA)

Reconciliation Summary

10000 · Checking - Umpqua, Period Ending 06/30/2022

	Jun 30, 22
Beginning Balance	508,948.34
Cleared Transactions	
Checks and Payments - 7 items	-85,566.87
Deposits and Credits - 2 items	26,238.37
Total Cleared Transactions	-59,328.50
Cleared Balance	449,619.84
Uncleared Transactions	
Deposits and Credits - 1 item	96,989.00
Total Uncleared Transactions	96,989.00
Register Balance as of 06/30/2022	546,608.84
Ending Balance	546,608.84

Amador Regional Sanitation Authority (ARSA)
Reconciliation Summary
10010 - Savings - Umpqua, Period Ending 06/30/2022

	Jun 30, 22
Beginning Balance	297,116.52
Cleared Transactions	
Deposits and Credits - 1 item	7.40
Total Cleared Transactions	7.40
Cleared Balance	297,123.92
Register Balance as of 06/30/2022	297,123.92
Ending Balance	297,123.92

ARSA SYSTEM FLOW AND VOLUME
2014 - Present

Item 5D

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	12.1	37.1	0	0	12'2"	154.3	11.7	35.9	0	0	0	0	9'0"	122.9	1.7	5.2	277.21	5.2
6/30/2022	11.2	34.4	10.1	31.0	14'3"	118.9	11.2	34.37	7.2	22.1	0	0	8'11"	124.0	5	15.3	242.9	68.4
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)		216.4	10.1	31.0					7.2	22.1					8.3	25.5		78.6