

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/3/2024

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	68.6
N2	Total SAR Deliveries	68.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	39.8
G2	North Fork Canal Weir	6.5
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	21.3
v1	PH3 Afterbay Spill Loss to SAR	1.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	37.2
U3	Total MC Deliveries	37.2
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	16.0
T3	MC #1 Flow (Cooley Hat)	21.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	64.0
V	Total SWP Deliveries	64.0
J	Northfork Canal	2.2
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2171.7
Crafton Reservoir Level (21.3)	16.8
Mentone Reservoir Level	17.7

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	25,604	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	6,757	0
Mill Creek	MC	10,976	106,000
Mill Creek	SWP	10,054	0
Plunge Creek	PLC	1,324	0

Notes: Numbers on the Daily Flow Report are a snapshot of water at a given location at the time of the read, normally very early in the morning. Water in the Redlands Sandbox spill is coming from the Redlands Aqueduct.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	0.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	25.0	N	BVMWC Boullioun Box	5.2	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	2.2	P	SARC West	0.0	U	M/C spreading at Zanja Tate	30.0
D	Purchased Water	9.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.6
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	64.0
F	Recharge Project	55.0									
G	Total SWP Inflows	64.0									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	6.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	28.8	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	39.8	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	minus			C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	28.8
V1	PH#3 Afterbay SpillLoss to SAR	1.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	68.6	E1	Main River Gage (USGS)	39.8
W1	Redlands Aqueduct / Sandbox	21.3							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	1.0							A5	Total SAR Inflows	68.6
D1	BVMWC River PU (USGS)	28.8				w	Observation at SOD	2171.7	Edison Generation		
I1	Redlands Tunnel	1.0				x	SOD Reservoir Elevation (scada)	2171.8	SAR PH#1 Generating	<input type="checkbox"/>	
A1	SAR PH #3 Penstock (calc)	0.0				y	Debris Pool Elevation	N/A	SAR PH#3 Generating	<input type="checkbox"/>	
K1	PH3# Penstock (SCADA)	0.0									

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	Redlands sand box	0.0	G2	Northfork Canal Weir	6.5	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	1.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	21.3
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	39.8	Y1	Redlands Sandbox Spill	1.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	6.5				B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0							I2	Tailrace Pipeline	6.5
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume	39.8	L2	SBVWCD Parshall Flume	39.8
C1	Greenspot Pipeline	0.0					Parshall Flume (SCADA)	39.8	L2	Sedimentation Recharge	0.0
									minus		
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	1.0
									N2	Total SAR Deliveries	68.6

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	5.6	E3	M/C #1 Penstock Flow	15.6
B3	M/C #3 Penstock	15.6	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	16.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	37.2			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.5	C3	SBVWCD Mill Creek Diversion	16.0	H3	Mentone Reservoir Level	17.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	21.2	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	8.7	U3	Total MC Deliveries	37.2	V3	Zanja West Weir to CWC Canal	4.4
			T3	MC #1 Flow (Cooley Hat)	21.2				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	14.6				Y3	Crafton Reservoir Level (21.3)	16.8

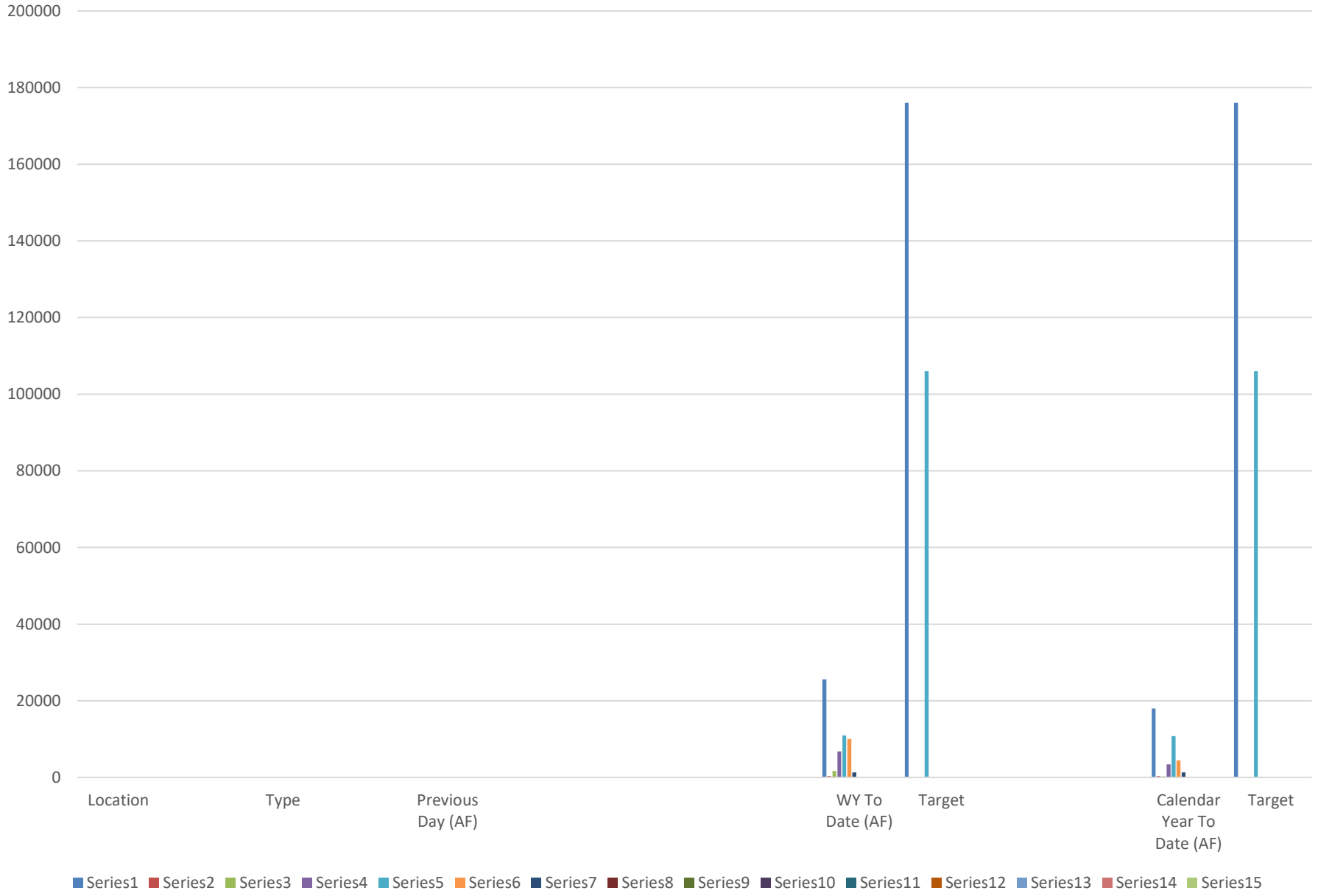
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	16.0
L3	East Weir Recharge (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	16.0

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	E4	82.5	I4	25,604.0	176,000	I4	17,993.7	176,000
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	332.4		O4	325.9	
	Santa Ana Rvr to Mill Creek		0.0		1,695.9			286.5	
B4	Santa Ana River	F4	49.6	J4	6,756.9		J4	3,426.9	
C4	Mill Creek	G4	35.7	K4	10,975.7	106,000	K4	10,766.7	106,000
D4	Mill Creek	H4	59.5	L4	10,054.3		L4	4,424.6	
	Plunge Creek		0.0		1,323.6			1,302.0	

SAR Passing Cuttle Weir (cfs)	0	Share of Lost SAR Flow	0	Estimate SAR flow (cfs)	0	Estimate SAR Recharge (AF)	0
Mill Creek Passing Garnet (cfs)	0	Share of Lost Mill Creek Flow	0	Estimate Mill Creek flow (cfs)	0	Estimate Mill Creek Recharge (AF)	0
Flow in the River Above Alabama	0	Flowing Beyond Alabama	0	Total River Flow (cfs)	0	Total River Recharge (AF)	0

Chart Title



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

