

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/29/2022

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	42.8
N2	Total SAR Deliveries	42.8
A1	SAR PH#3 Penstock (calc)	20.2
B1	BVMWC Highline	4.2
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	6.7
G2	North Fork Canal Weir	3.5
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	27.5
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	18.4
U3	Total MC Deliveries	18.4
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	18.4

Reservoir Levels	Feet
Observation at SOD	2166.7
Crafton Reservoir Level (21.3)	16.4
Mentone Reservoir Level	18.1

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.1
V	Total SWP Deliveries	3.1
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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	6,525	176,000
Santa Ana River to Mill Creek	SAR-MC	257	0
Santa Ana River	SWP	0	0
Mill Creek	MC	1,116	106,000
Mill Creek	SWP	9	0
Plunge Creek	PLC	851	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, and not necessarily what is at that location through out the day.

Daily Flow Report

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Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.1	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	N	BVMWC Boullioun Box	0.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	3.1	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	3.1
F	Recharge Project	0.0									
G	Total SWP Inflows	3.1									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	3.5
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	6.5
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	27.8
Y1	Redlands Sandbox Spill	0.0
		Minus
	BVMWC River PU (USGS)	18.2
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	20.2
K1	PH#3 Penstock (SCADA)	N/A

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	4.2
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	4.2
Other		
J1	Big Bear Lake Release	0.4
L1	SCE SAR AVM (SCADA)	29.3
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	18.2
E1	Main River Gage (USGS)	0.2
		minus
F1	Greenspot Spill	0.0
Z1	SOD Release Subtotal	18.4
W	Observation at SOD	2166.7
X	SOD Reservoir Elevation (scada)	2166.7
Y	Debris Pool Elevation	N/A

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	20.2
B1	BVMWC Highline	4.2
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	18.2
E1	Main River Gage (USGS)	0.2
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	42.8
Edison Generation		
SAR PH#1 Generating		☐
SAR PH#3 Generating		☒

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries			
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.5	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0	
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	6.5	W1	Redlands Aqueduct / Sandbox	27.8	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.2	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	6.5				Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.9	Sedimentation Basin Recharge			0.0	B1	BVMWC Highline	4.2
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	6.7	C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boullioun	0.0	Irrigation			Parshall Flume (SCADA)			8.4	I2	Tailrace Pipeline	10.9
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	4.2				L2	SBVWCD Parshall Flume	6.7	
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0				L2	Sedimentation Recharge	0.0	
			minus						minus			
			B2	Gay Overflow	2.1				J2	Tailrace Valve to Parshall Flume	0.0	
			C2	Irrigation	2.1				K2	Northfork Parshall Flume	6.5	
									I1	Redlands Tunnel	0.3	
									N2	Total SAR Deliveries	42.8	

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	5.4	E3	M/C #1 Penstock Flow	18.4
B3	M/C #3 Penstock	13.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	18.4			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	12.1	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	18.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	18.4	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.3	U3	Total MC Deliveries	18.4	V3	Zanja West Weir to CWC Canal	2.8
			T3	MC #1 Flow (Cooley Hat)	18.4				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading			N3	Cooley Hat (SCADA)	19.8				Y3	Crafton Reservoir Level (21.3)	16.4
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	0.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	14.7		I4	6,525.4	176,000	I4	5,648.8	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	256.9		O4	173.2	
B4	Santa Ana River	SWP	F4	0.0		J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	0.0		K4	1,116.0	106,000	K4	494.0	106,000
D4	Mill Creek	SWP	H4	0.0		L4	8.7		L4	0.0	
	Plunge Creek	PLC		0.0			851.0			354.5	
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)			Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama		0	Flowing Bevond Alabama		0	Total River Flow (cfs)		0	Total River Recharge (AF)		0