

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/11/2023
 Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	295.0
N2	Total SAR Deliveries	295.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	18.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	2.0
Z2	Cuttle Weir to River	275.0

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

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	86.3
V	Total SWP Deliveries	86.3
J	Northfork Canal	0.0
L	Redlands Aqueduct	42.9
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2182.5
Crafton Reservoir Level (21.3)	14.0
Mentone Reservoir Level	16.6

River Recharge	AF
Estimate SAR Recharge (AF)	255
Estimate Mill Creek Recharge (AF)	43
Estimated Total River Recharge (AF)	298

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	44,687	176,000
Santa Ana River to Mill Creek	SAR-MC	1,622	0
Santa Ana River to Mill Creek	SWP	545	0
Santa Ana River	SWP	299	0
Mill Creek	MC	16,631	106,000
Mill Creek	SWP	2,600	0
Plunge Creek	PLC	2,713	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.

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State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	8.6	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	24.2	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	10.6
D	Purchased Water	42.5	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	42.9	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	86.3
F	Recharge Project	43.8									
G	Total SWP Inflows	86.3									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	12.5	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	282.5	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	10.5	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	12.5
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	295.0	E1	Main River Gage (USGS)	282.5
W1	Redlands Aqueduct / Sandbox	0.0							D1a	BV Pick-Up gated	-
Y1	Redlands Sandbox Spill	2.2							A5	Total SAR Inflows	295.0
Minus			Other			w	Observation at SOD	2182.5	Edison Generation		
D1	BVMWC River PU (USGS)	12.5	J1	Big Bear Lake Release	1.2	x	SOD Reservoir Elevation (scada)	2181.9	SAR PH#1 Generating		
I1	Redlands Tunnel	0.2	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	SAR PH#3 Generating		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0						
K1	PH#3 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	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	10.5	W1	Redlands Aqueduct / Sandbox	0.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	7.5	Y1	Redlands Sandbox Spill	2.2
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	10.5	minus		Z2	Cuttle Weir To River	275.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.5	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0					SBVWCD Parshall Flume	18.0	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation				Parshall Flume (SCADA)	NA	I2	Tailrace Pipeline	10.5
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	18.0
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0
			N	BVMWC Boullioun Box	0.0				minus		
			minus						J2	Tailrace Valve to Parshall Flume	0.0
			B2	Gay Overflow	2.9				K2	Northfork Parshall Flume	10.5
			C2	Irrigation	-2.9				I1	Redlands Tunnel	0.2
									N2	Total SAR Deliveries	295.0

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	40.0
D3	Total MC Inflows	0.0			

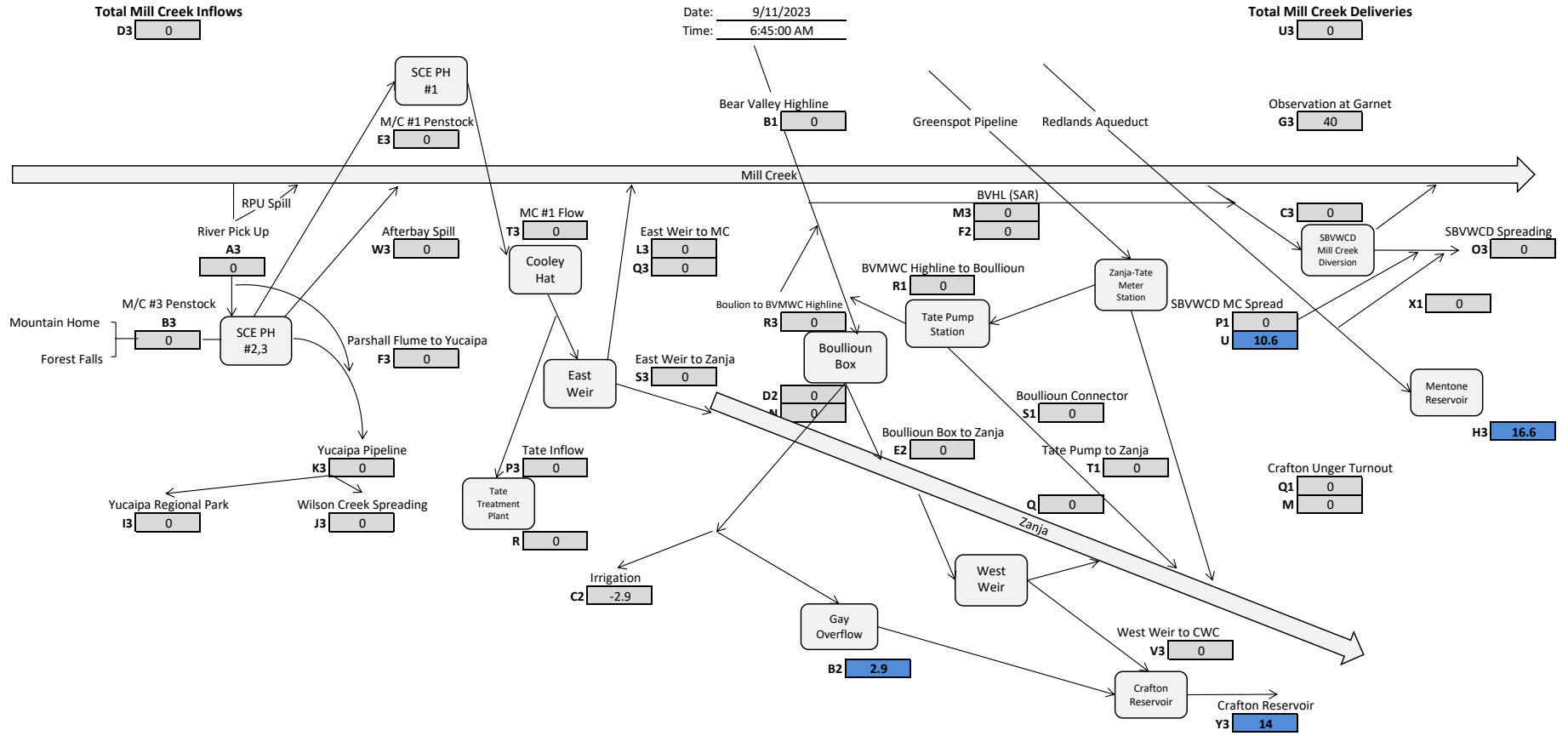
Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	16.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	0.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	0.2				Y3	Crafton Reservoir Level (21.3)	14.0
SBVWCD MC Spreading											
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	106.6	I4	44,687.3	176,000	I4	44,199.8	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	1,621.9		O4	1,438.3		
	Santa Ana Rvr to Mill Creek	SWP		37.8		544.8			544.8		
B4	Santa Ana River	SWP	F4	152.9	J4	299.4		J4	299.4		
C4	Mill Creek	MC	G4	0.0	K4	16,630.8	106,000	K4	16,006.0	106,000	
D4	Mill Creek	SWP	H4	65.5	L4	2,600.1		L4	2,600.1		
	Plunge Creek	PLC		11.9		2,713.4			2,591.9		
	SAR Passing Cuttle Weir (cfs)	275		Share of Lost SAR Flow	240.08		Estimate SAR flow (cfs)	35		Estimate SAR Recharge (AF)	255
	Mill Creek Passing Garnet (cfs)	40		Share of Lost Mill Creek Flow	35		Estimate Mill Creek flow (cfs)	5		Estimate Mill Creek Recharge (AF)	43
	Flow in the River Above Alabama	315		Flowing Beyond Alabama	275		Total River Flow (cfs)	40		Total River Recharge (AF)	298

Santa Ana River - Mill Creek Cooperative Water Project Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

