

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/11/2024
 Time: 7:20:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	79.4
N2	Total SAR Deliveries	79.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	21.4
G2	North Fork Canal Weir	5.8
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	22.0
V1/Z2	Cuttle Weir and PH3 Afterbay	29.3

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	54.5
U3	Total MC Deliveries	54.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	35.0
T3	MC #1 Flow (Cooley Hat)	19.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.2
V	Total SWP Deliveries	14.2
J	Northfork Canal	2.9
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2177.0
Crafton Reservoir Level (21.3)	16.4
Mentone Reservoir Level	20.2

River Recharge	AF
Estimate SAR Recharge (AF)	16
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	16

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	23,912	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	6,045	0
Mill Creek	MC	9,809	106,000
Mill Creek	SWP	9,008	0
Plunge Creek	PLC	1,308	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	0.0	N	BVMWC Boullion Box	5.2	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	2.9	P	SARC West	0.0	U	M/C spreading at Zanja Tate	5.1
D	Purchased Water	14.2	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lajos	1.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	14.2
F	Recharge Project	0.0									
G	Total SWP Inflows	14.2									

Santa Ana River Inflows											
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	5.8	A2	Newport	0.0	D1	BVMWC River PU (USGS)	33.4	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullion Box Weir	0.0	E1	Main River Gage (USGS)	46.0	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullion 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)	33.4
V1	PH#3 Afterbay Spill/Loss to SAR	4.7	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	79.4	E1	Main River Gage (USGS)	46.0
W1	Redlands Aqueduct / Sandbox	23.0	Other			w	Observation at SOD	2177.0	D1a	BV Pick-Up gated	-
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	0.8	x	SOD Reservoir Elevation (scada)	2176.9	A5	Total SAR Inflows	79.4
D1	BVMWC River PU (USGS)	33.4	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	N/A	Edison Generation		
I1	Redlands Tunnel	1.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0				SAR PH#1 Generating		
A1	SAR PH #3 Penstock (calc)	0.0							SAR PH#3 Generating		
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	5.8	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	4.7	
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	23.0	
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	21.4	Y1	Redlands Sandbox Spill	0.0	
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	Sedimentation Basin Recharge			0.0	Z2	Cuttle Weir To River	24.6
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	6.7	L2	SBVWCD Parshall Flume	21.4	B1	BVMWC Highline	0.0	
R1	BVMWC Highline to Boullion	0.0	Irrigation			Parshall Flume (SCADA)			NA	C1	Greenspot Pipeline	0.0
S1	Tres Lajos	0.0	D2	Boullion Box Weir	0.0				I2	Tailrace Pipeline	6.7	
T1	Tate Pump Station to Zanja	0.0	R1	BVMWC Highline to Boullion	0.0				L2	SBVWCD Parshall Flume	21.4	
C1	Greenspot Pipeline	0.0	N	BVMWC Boullion Box	5.2				L2	Sedimentation Recharge	0.0	
			minus						minus			
			B2	Gay Overflow	2.1				J2	Tailrace Valve to Parshall Flume	0.0	
			C2	Irrigation	3.1				K2	Northfork Parshall Flume	0.0	
									I1	Redlands Tunnel	1.0	
									N2	Total SAR Deliveries	79.4	

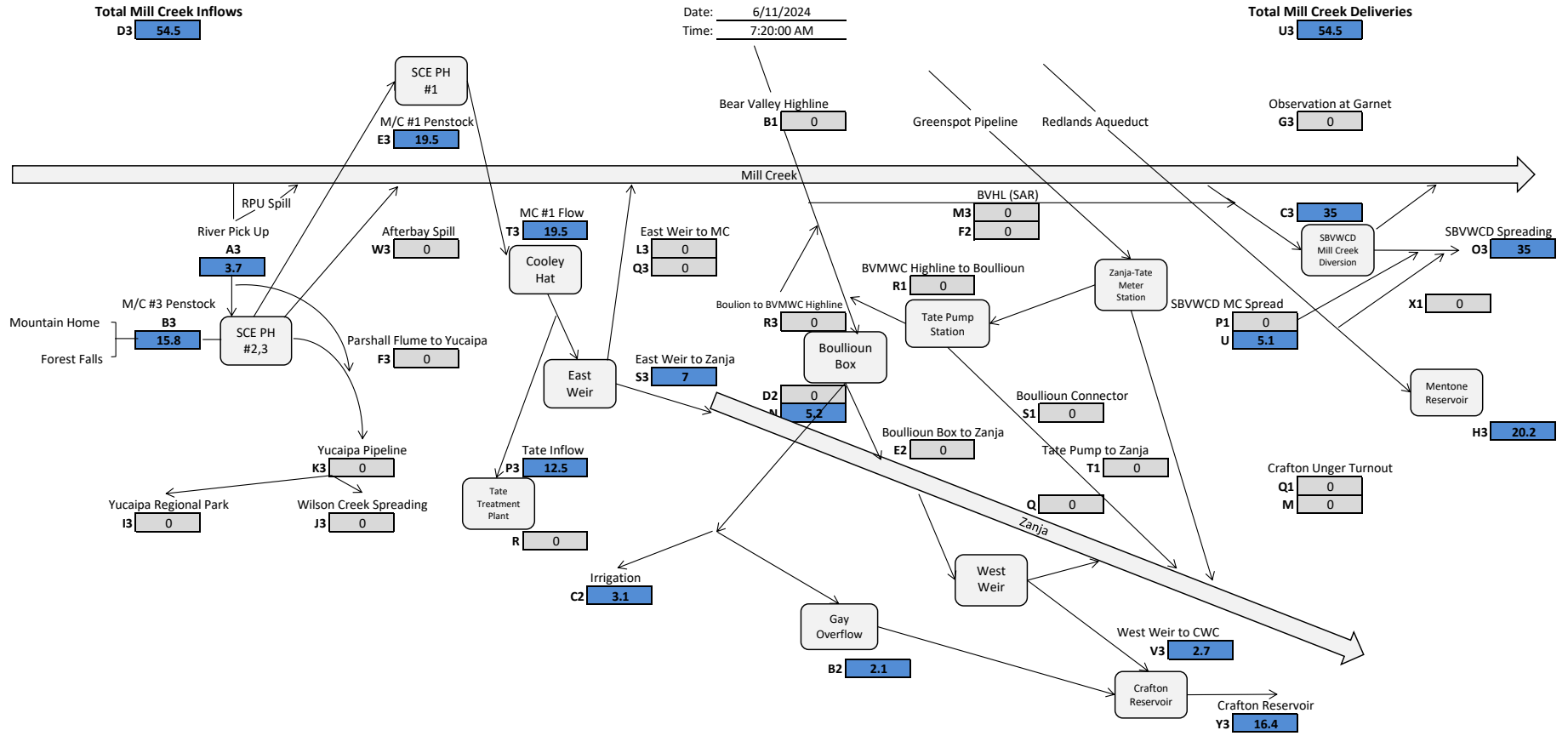
Mill Creek Inflows					
Total MC Inflows			Other		
A3	RPU Flow	3.7	E3	M/C #1 Penstock Flow	19.5
B3	M/C #3 Penstock	15.8	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	35.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	54.5			

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	35.0	H3	Mentone Reservoir Level	20.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	19.5	R3	Boullion to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	7.0	U3	Total MC Deliveries	54.5	V3	Zanja West Weir to CWC Canal	2.7
			T3	MC #1 Flow (Cooley Hat)	19.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	NA				Y3	Crafton Reservoir Level (21.3)	16.4
			SBVWCD MC Spreading								
C3	SBVWCD Mill Creek Diversion	35.0									
L3	East Weir Recharge (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	35.0									

SBVWCD Recharge												
Location		Type	Previous Day (AF)			WY To Date (AF)			Calendar Year To Date (AF)			
A4	Santa Ana River	SAR	E4	42.4		I4	23,912.1	176,000	I4	16,301.8	176,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	332.4		O4	325.9		
	Santa Ana Rvr to Mill Creek	SWP		0.0			1,695.9			286.5		
B4	Santa Ana River	SWP	F4	0.0		J4	6,044.6		J4	2,714.6		
C4	Mill Creek	MC	G4	75.4		K4	9,809.4	106,000	K4	9,600.4	106,000	
D4	Mill Creek	SWP	H4	9.1		L4	9,008.3		L4	3,378.6		
	Plunge Creek	PLC		4.0			1,307.8			1,286.1		
SAR Passing Cuttle Weir (cfs)		25	Share of Lost SAR Flow		17.999	Estimate SAR flow (cfs)		7	Estimate SAR Recharge (AF)			16
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		25	Flowing Beyond Alabama		18	Total River Flow (cfs)		7	Total River Recharge (AF)			16

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Mill Creek Stations



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Santa Ana Stations

