

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 3/25/2024

Time: 6:5000 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	95.4
N2	Total SAR Deliveries	95.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	49.2
G2	North Fork Canal Weir	3.3
H2	Edwards Canal	0.0
W1	Redlands Aqueduct (calc)	14.5
z2	Cuttle Weir to River	28.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	33.2
V	Total SWP Deliveries	33.2
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	60.0
U3	Total MC Deliveries	60.0
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	15.0

Reservoir Levels	Feet
Observation at SOD	2205.9
Crafton Reservoir Level (21.3)	16.3
Mentone Reservoir Level	17.6

River Recharge	AF
Estimate SAR Recharge (AF)	38
Estimate Mill Creek Recharge (AF)	56
Estimated Total River Recharge (AF)	94

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	16,556	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	3,798	1,068
Mill Creek	SWP	8,423	0
Plunge Creek	PLC	838	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.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 3/25/2024
Time: 6:5000 AM

State Water Project

Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	3.2	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	30.0
D	Purchased Water	33.2	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 33.2	
F	Recharge Project	0.0									
G	Total SWP Inflows	33.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	3.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	26.9	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	68.5	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	9.1	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	26.9
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	95.4	E1	Main River Gage (USGS)	68.5
W1	Redlands Aqueduct / Sandbox	8.8							D1a	BV Pick-Up gated	0.0
Y1	Redlands Sandbox Spill	6.5							A5	Total SAR Inflows	95.4
Minus											
D1	BVMWC River PU (USGS)	26.9	Other						Edison Generation		
I1	Redlands Tunnel	0.8	J1	Big Bear Lake Release	0.4	W	Observation at SOD	2205.9		SAR PH#1 Generating	0.0
A1	SAR PH #3 Penstock (calc)	0.0	L1	SCE SAR AVM (SCADA)	0.0	X	SOD Reservoir Elevation (scada)	2204.9		SAR PH#3 Generating	0.0
K1	PH3# Penstock (SCADA)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	3.0	Y	Debris Pool Elevation	N/A			

Santa Ana River Deliveries

Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall Flume To Basins			Deliveries		
M1	Redlands sand box	0.0	G2	Northfork Canal Weir	3.3	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	9.1	W1	Redlands Aqueduct / Sandbox	8.8
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	40.1	Y1	Redlands Sandbox Spill	6.5
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.1				Z2	Cuttle Weir To River	28.4
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.4		Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0				L2	SBVWCD Parshall Flume	49.2	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation				Parshall Flume (SCADA)	47.3	I2	Tailrace Pipeline	12.4
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	49.2
C1	Greenspot Pipeline	0.0	R1	BVMWC Highline to Boullioun	0.0				L2	Sedimentation Recharge	0.0
			N	BVMWC Boullioun Box	0.0				minus		
									J2	Tailrace Valve to Parshall Flume	0.0
			B2	Gay Overflow	0.0				K2	Northfork Parshall Flume	9.1
			C2	Irrigation	0.0				I1	Redlands Tunnel	0.8
									N2	Total SAR Deliveries	95.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	15.0
B3	M/C #3 Penstock	15.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	45.0	G3	Observation at Garnet	50.0
D3	Total MC Inflows	60.0			

Mill Creek Deliveries

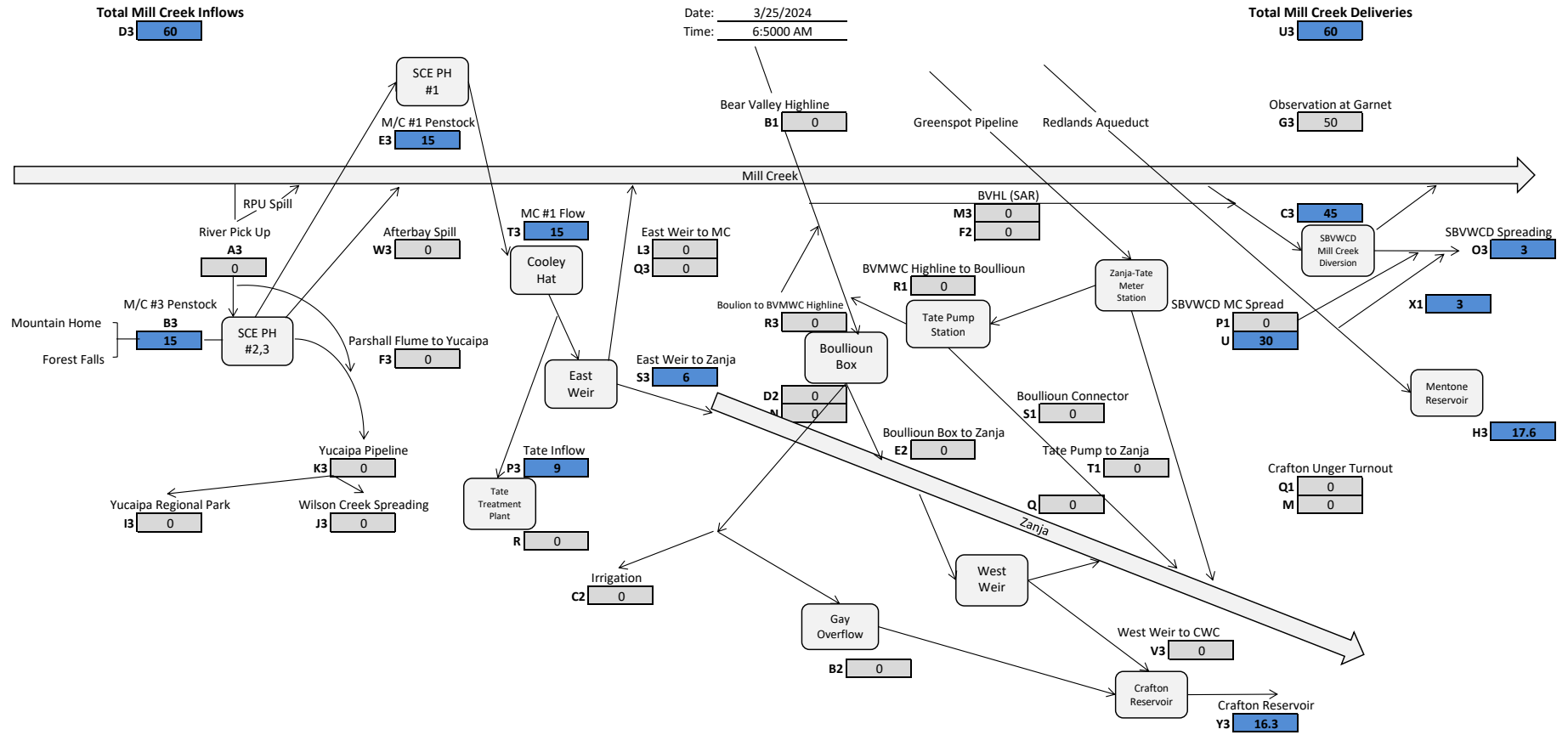
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	9.0	C3	SBVWCD Mill Creek Diversion	45.0	H3	Mentone Reservoir Level	17.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	15.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.0	U3	Total MC Deliveries	60.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	15.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	9.5				Y3	Crafton Reservoir Level (21.3)	16.3
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir Recharge (MC)	0.0									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	3.0									
O3	SBVWCD MC Spreading	3.0									

SBVWCD Recharge

Location			Previous Day (AF)			WY To Date (AF)			Calendar Year To Date (AF)		
A4	Santa Ana River	SAR	E4		275.5	I4		16,556.2	I4		8,945.9
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4		17.9	O4		332.1	O4		325.5
	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		22.0	K4		3,798.3	K4		3,589.3
D4	Mill Creek	SWP	H4		158.7	L4		8,422.9	L4		2,793.3
	Plunge Creek	PLC			17.8			837.5			815.9
SAR Passing Cuttle Weir (cfs)	28		Share of Lost SAR Flow	19.923		Estimate SAR flow (cfs)	8		Estimate SAR Recharge (AF)	38	
Mill Creek Passing Garnet (cfs)	50		Share of Lost Mill Creek Flow	35		Estimate Mill Creek flow (cfs)	15		Estimate Mill Creek Recharge (AF)	56	
Flow in the River Above Alabama	78		Flowing Beyond Alabama	55		Total River Flow (cfs)	23		Total River Recharge (AF)	94	

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations

