

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 4/16/2024
 Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	161.7
N2	Total SAR Deliveries	161.7
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	142.8
G2	North Fork Canal Weir	2.9
H2	Edwards Canal	0.8
W1	Redlands Aqueduct (calc)	15.2
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	68.4
U3	Total MC Deliveries	68.4
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	62.0
T3	MC #1 Flow (Cooley Hat)	11.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	3.2
V	Total SWP Deliveries	3.2
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Reservoir Levels	Feet
Observation at SOD	2208.4
Crafton Reservoir Level (21.3)	14.7
Mentone Reservoir Level	16.9

River Recharge	AF
Estimate SAR Recharge (AF)	2
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	2

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	19,128	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	5,629	1,068
Mill Creek	SWP	8,590	0
Plunge Creek	PLC	1,004	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	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	0.0
D	Purchased Water	3.2	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	3.2
F	Recharge Project	0.0									
G	Total SWP Inflows	3.2									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	2.9	A2	Newport	0.0	D1	BVMWC River PU (USGS)	27.9	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.8	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	133.8	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	9.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	27.9
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	161.7	E1	Main River Gage (USGS)	133.8
W1	Redlands Aqueduct / Sandbox	12.5							D1a	BV Pick-Up gated	-
Y1	Redlands Sandbox Spill	3.8							A5	Total SAR Inflows	161.7
Minus			Other			w	Observation at SOD	2208.4	Edison Generation		
D1	BVMWC River PU (USGS)	27.9	J1	Big Bear Lake Release	0.4	x	SOD Reservoir Elevation (scada)	2207.1	SAR PH#1 Generating		
I1	Redlands Tunnel	1.1	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	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	2.9	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.8	K2	Northfork Parshall Flume	9.0	W1	Redlands Aqueduct / Sandbox	12.5
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	133.8	Y1	Redlands Sandbox Spill	3.8
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	9.0	minus		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	12.7	L2	SBVWCD Parshall Flume	142.8	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0					Parshall Flume (SCADA)	108.2	C1	Greenspot Pipeline	0.0
S1	Tres Lagos	0.0	Irrigation						I2	Tailrace Pipeline	12.7
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	0.0				L2	SBVWCD Parshall Flume	142.8
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	-1.7				K2	Northfork Parshall Flume	9.0
			C2	Irrigation	-1.7				I1	Redlands Tunnel	1.1
									N2	Total SAR Deliveries	161.7

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	11.5
B3	M/C #3 Penstock	11.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	56.9	G3	Observation at Garnet	0.0
D3	Total MC Inflows	68.4			

Mill Creek Deliveries

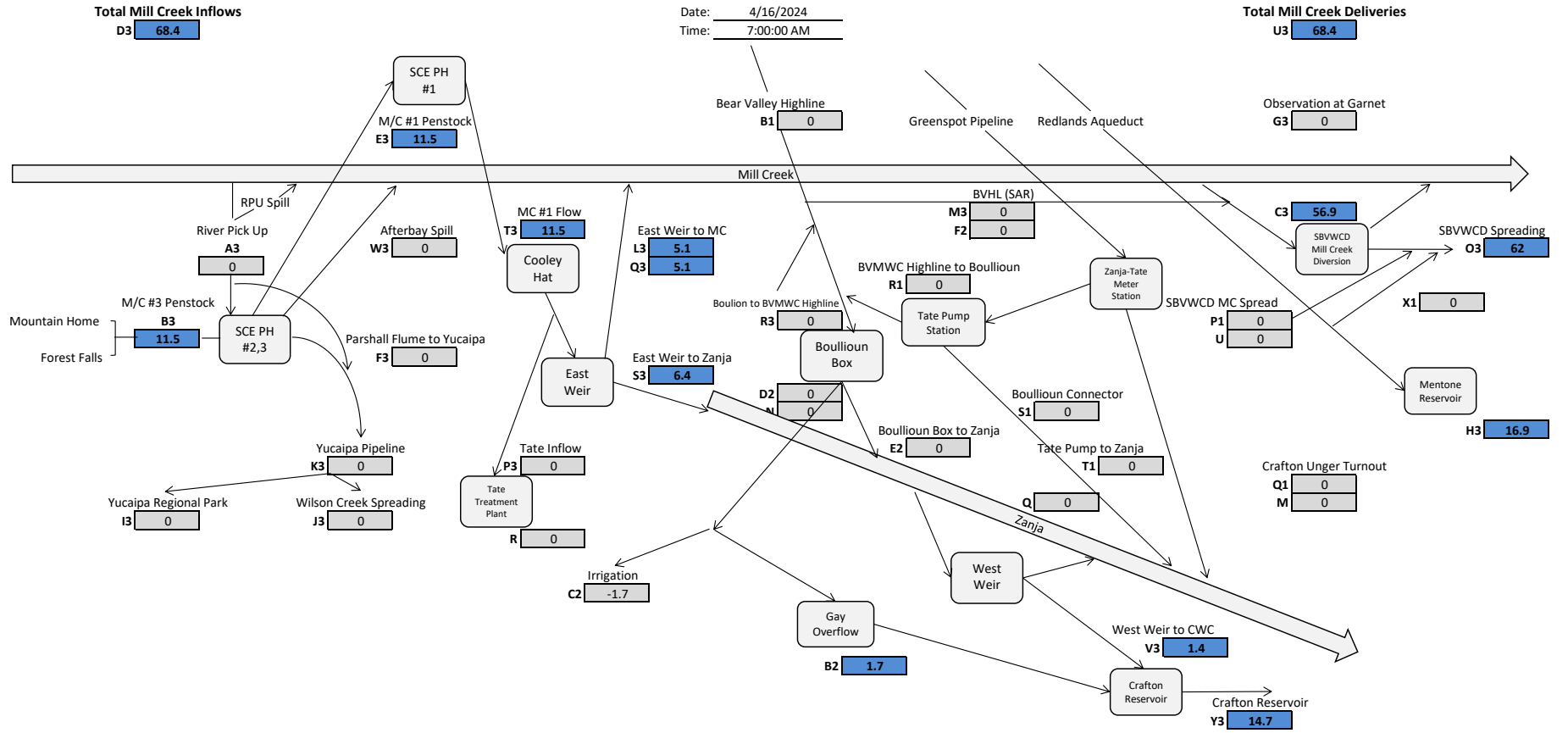
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	56.9	H3	Mentone Reservoir Level	16.9
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	5.1	T3	Mill Creek #1 Flow (Cooley Hat)	11.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	6.4	U3	Total MC Deliveries	68.4	V3	Zanja West Weir to CWC Canal	1.4
			T3	MC #1 Flow (Cooley Hat)	11.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	11.5				Y3	Crafton Reservoir Level (21.3)	14.7
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	56.9									
L3	East Weir Recharge (MC)	5.1									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	0.0									
O3	SBVWCD MC Spreading	62.0									

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	Calendar Year To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	257.7	I4	19,128.1	176,000	I4	11,517.7	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	130.9	K4	5,629.1	1,068	K4	5,420.1	106,000	
D4	Mill Creek	SWP	H4	0.0	L4	8,590.3		L4	2,960.6		
	Plunge Creek	PLC		11.9		1,004.3			982.6		
	SAR Passing Cuttle Weir (cfs)	0		Share of Lost SAR Flow	0		Estimate SAR flow (cfs)	0		Estimate SAR Recharge (AF)	2
	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)	2

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Mill Creek Stations



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Santa Ana Stations

