Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 4/26/2023
Time: 6:50:00 AM

State Water Project

Inflows		
A	BBMWD In-lieu	3.7
B	Muni test at Greenspot Station	0.0
C	Exchange Water	0.0
D	Purchased Water	6.1
E	Redlands Aqueduct Leakage	0.0
F	Recharge Project	0.0
G	**Total SWP Inflows**	**9.8**

Deliveries								
H	EVWD City Creek	3.1	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
I	Santa Ana Low Turnout	0.0	N	BVMWC Boullioun Box	3.7	T	Newport for BVMWC	0.0
J	Northfork Canal	3.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	**Total SWP Deliveries**	**9.8**

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	3.5
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	15.1
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	26.3
Y1	Redlands Sandbox Spill	0.0
		Minus
D1	BVMWC River PU (USGS)	42.9
I1	Redlands Tunnel	2.0
A1	**SAR PH #3 Penstock (calc)**	**0.0**
K1	**PH3# Penstock (SCADA)**	**0.0**

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	0.0
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	**BVMWC Highline**	**0.0**

Other		
J1	Big Bear Lake Release	0.3
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	42.9
E1	Main River Gage (USGS)	265.9
		minus
F1	Greenspot Spill	0.0
Z1	**SOD Release Subtotal**	**308.8**

W	Observation at SOD	2226.5
X	SOD Reservoir Elevation (scada)	2224.7
Y	Debris Pool Elevation	N/A

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	42.9
E1	Main River Gage (USGS)	265.9
D1a	BV Pick-Up gated	
A5	**Total SAR Inflows**	**308.8**

Edison Generation	
SAR PH#1 Generating	
SAR PH#3 Generating	

Santa Ana River Deliveries

Greenspot Pipeline		
M1	Redlands sand box	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Tres Lagos	0.0
T1	Tate Pump Station to Zanja	0.0
C1	**Greenspot Pipeline**	**0.0**

Tailrace Pipeline		
G2	Northfork Canal Weir	3.5
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	15.1
I2	**Tailrace Pipeline**	**18.6**

Irrigation		
D2	Boullioun Box Weir	0.0
R1	BVMWC Highline to Boullioun	0.0
N	BVMWC Boullioun Box	3.7
		minus
B2	Gay Overflow	2.6
C2	**Irrigation**	1.1

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	15.1
H1	SBVWCD Diversion	100.9
	Sedimentation Basin Recharge	0.0
L2	**SBVWCD Parshall Flume**	**116.0**
	Parshall Flume (SCADA)	**66.6**

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	26.3
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	165.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	18.6
L2	SBVWCD Parshall Flume	116.0
L2	Sedimentation Recharge	0.0
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	15.1
I1	Redlands Tunnel	2.0
N2	**Total SAR Deliveries**	**308.8**

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	18.1
C3	SBVWCD Mill Creek Diversion	51.0
D3	**Total MC Inflows**	**69.1**

Other		
E3	M/C #1 Penstock Flow	19.9
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	60.0

Mill Creek Deliveries

Yucaipa Pipeline		
H3	Yucaipa Regional Park	0.0
J3	Wilson Creek Spreading	0.0
K3	**Yucaipa Pipeline**	**0.0**

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	41.9
L3	East Weir (MC)	9.1
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	**SBVWCD MC Spreading**	**51.0**

MC #1 Flow (Cooley Hat)		
P3	Tate Inflow	9.0
Q3	East Weir to Mill Creek	9.1
S3	East Weir to Zanja	0.0
T3	**MC #1 Flow (Cooley Hat)**	**18.1**
N3	**Cooley Hat (SCADA)**	**19.5**

Total MC Deliveries		
C3	SBVWCD Mill Creek Diversion	51.0
T3	Mill Creek #1 Flow (Cooley Hat)	18.1
U3	**Total MC Deliveries**	**69.1**

Other		
H3	Mentone Reservoir Level	18.6
R3	Boullioun to BVMWC Highline	0.0
V3	Zanja West Weir to CWC Canal	0.0
W3	Mill Creek PH #2,3 Afterbay Spill	0.0
Y3	Crafton Reservoir Level (21.3)	15.3

SBVWCD Recharge

	Location	Type	Previous Day (AF)	WY To Date (AF)	Target	Calendar Year To Date (AF)	Target
A4	Santa Ana River	SAR	E4 212.4	I4 28,334.5	176,000	I4 27,847.0	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4 0.0	O4 1,448.8		O4 1,265.3	
B4	Santa Ana River	SWP	F4 0.0	J4 234.3		J4 234.3	
C4	Mill Creek	MC	G4 113.5	K4 7,008.4	106,000	K4 6,383.6	106,000
D4	Mill Creek	SWP	H4 0.0	L4 1,196.9		L4 **962.6**	
	Plunge Creek	PLC	2.0	2,223.9		2,102.5	

SAR Passing Cuttle Weir (cfs)	165	Share of Lost SAR Flow	146.67	Estimate SAR flow (cfs)	18	Estimate SAR Recharge (AF)	41
Mill Creek Passing Garnet (cfs)	60	Share of Lost Mill Creek Flow	53	Estimate Mill Creek flow (cfs)	7	Estimate Mill Creek Recharge (AF)	19
Flow in the River Above Alabama	225	Flowing Beyond Alabama	200	Total River Flow (cfs)	25	Total River Recharge (AF)	60