

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/12/2019

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	51.2
N2	Total SAR Deliveries	51.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	22.0
G2	North Fork Canal Weir	3.5
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	24.8
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	31.7
U3	Total MC Deliveries	31.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.3
T3	MC #1 Flow (Cooley Hat)	31.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	69.9
V	Total SWP Deliveries	69.9
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	2160.9
Crafton Reservoir Level (21.3)	12.3
Mentone Reservoir Level	19.6

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	32,815	176,000
Santa Ana River to Mill Creek	SAR-MC	267	0
Santa Ana River	SWP	8,960	0
Mill Creek	MC	9,310	106,000
Mill Creek	SWP	8,161	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	134	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, and not necessarily what is at that location throughout the day.

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State Water Project

Inflows		Deliveries									
A	BBMWD In-lieu	2.0	H	EVWDC City Creek	8.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	24.4	N	BVMWC Boullioun Box	2.0	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	34.2
D	Purchased Water	67.9	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	1.3
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries	69.9
F	Recharge Project	0.0									
G	Total SWP Inflows	69.9									

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows					
G2	Northfork Canal Weir	3.5	A2	Newport	0.0	D1	BVMWC River PU (USGS)	29.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	22.0	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	0.0	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	0.0	D1	BVMWC River PU (USGS)	29.2
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	0.0	Z1	SOD Release Subtotal	51.2	E1	Main River Gage (USGS)	22.0
W1	Redlands Aqueduct / Sandbox	25.3							D1a	BV Pick-Up gated	<input type="checkbox"/>
Y1	Redlands Sandbox Spill	0.0							A5	Total SAR Inflows	51.2
minus									Edison Generation		
D1	BVMWC River PU (USGS)	29.2	J1	Big Bear Lake Release	0.6	w	Observation at SOD	2160.9	SAR PH#1 Generating <input type="checkbox"/>		
I1	Redlands Tunnel	0.5	L1	SCE SAR AVM (SCADA)	0.0	x	SOD Reservoir Elevation (scada)	2161.5	SAR PH#3 Generating <input type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	y	Debris Pool Elevation	N/A			
K1	PH#3 Penstock (SCADA)	N/A									

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall Flume To Basins		Deliveries					
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.5	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	25.3
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	22.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	minus			Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	4.4	L2	Sedimentation Basin Recharge	0.0	B1	BVMWC Highline	0.0
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	4.4
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	22.0
C1	Greenspot Pipeline	0.0							minus		
									J2	Tailrace Valve to Parshall Flume	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.5
									N2	Total SAR Deliveries	51.2

Mill Creek Inflows

Total MC Inflows		Other			
A3	RPU Flow	15.0	E3	M/C #1 Penstock Flow	31.7
B3	M/C #3 Penstock	16.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	31.7			

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other					
	Yucaipa Regional Park	0.0	P3	Tate Inflow	19.3	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.3	T3	Mill Creek #1 Flow (Cooley Hat)	31.7	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	12.1	U3	Total MC Deliveries	31.7	V3	Zanja West Weir to CWC Canal	4.4
			T3	MC #1 Flow (Cooley Hat)	31.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			N3	Cooley Hat (SCADA)	32.5				Y3	Crafton Reservoir Level (21.3)	12.3

SBVWCD Recharge

Location		Previous Day (AF)		WY To Date (AF)		Calendar Year To Date (AF)	
A4	Santa Ana River	E4	51.8	I4	32,815.0	I4	32,744.1
M4	Santa Ana Rvr to Mill Creek	N4	0.0	O4	267.0	O4	175.5
B4	Santa Ana River	F4	48.4	J4	8,960.3	J4	7,945.0
C4	Mill Creek	G4	0.6	K4	9,309.7	K4	8,697.2
D4	Mill Creek	H4	69.6	L4	8,161.0	L4	8,161.0
	Redlands		0.0		0.0		0.0
	Loma Linda		0.0		0.0		0.0
	East Valley		0.0		134.4		0.0
SAR Passing Cuttle Weir (cfs)	0	Share of Lost SAR Flow	0	Estimate SAR flow (cfs)	0	Estimate SAR Recharge (AF)	0
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)	0