

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 10/25/17

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	16.9
N2	Total SAR Deliveries	16.9
A1	SAR PH#3 Penstock (calc)	9.4
B1	BVMWC Highline	5.7
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	8.5
H2	Edwards Canal	1.0
W1	Redlands Aqueduct (calc)	1.7
	Other	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	13.7
U3	Total MC Deliveries	13.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	13.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	62.6
V	Total SWP Deliveries	62.6
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	6.0
T	Newport to BVMWC	0.9

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	18.5
Mentone Reservoir Level	19.3

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	0	166,000
Santa Ana River to Mill Creek	SAR-MC	0	0
Santa Ana River	SWP	2,271	0
Mill Creek	MC	0	99,700
Mill Creek	SWP	0	0
Redlands	SWP	0	0
Loma Linda	SWP	0	0
East Valley	SWP	0	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 thruout the day. San Bernardino Valley Municipal Water District is spreading at the Santa Ana Low.

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State Water Project															
Inflows				Deliveries											
A	BBMWD In-lieu	0.9		H	EVWD Treatment Plant	0.0		M	Crafton Unger Lane	6.0		S	SBCFCD Grove	0.0	
B	Muni test at Greenspot Station	0.0		I	Santa Ana Low Turnout	55.1		N	BVMWC Boullioun Box	0.0		T	Newport for BVMWC	0.9	
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	61.7		K	Edwards Canal	0.0		Q	Zanja	0.0		W	Tres Lagos	0.6	
E	Redlands Aqueduct Leakage	0.0		L	Redlands Aqueduct	0.0		R	Tate Treatment Plant	0.0		V	Total SWP Deliveries	62.6	
F	Recharge Project	0.0													
G	Total SWP Inflows	62.6													

Santa Ana River Inflows															
SAR PH #3 Penstock (calc)				BVMWC Highline				SOD Release Subtotal				Total SAR Inflows			
G2	Northfork Canal Weir	8.5		A2	Newport	0.0		D1	BVMWC River PU (USGS)	1.8		A1	SAR PH #3 Penstock (calc)	9.4	
H2	Edwards Canal	1.0		D2	Boullioun Box Weir	5.7		E1	Main River Gage (USGS)	0.0		B1	BVMWC Highline	5.7	
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	SBVVCD Mill Creek Spreading	0.0		F1	Greenspot Spill	0.0		D1	BVMWC River PU (USGS)	1.8	
V1	PH#3 Afterbay SpillLoss to SAR	0.0		B1	BVMWC Highline	5.7		Z1	SOD Release Subtotal	1.8		E1	Main River Gage (USGS)	0.0	
W1	Redlands Aqueduct / Sandbox	0.0										D1a	BV Pick-Up gated	<input type="checkbox"/>	
Y1	Redlands Sandbox Spill	2.0		Other				Other				A5	Total SAR Inflows	16.9	
	minus			J1	Big Bear Lake Release	1.2		w	Observation at SOD	N/A					
D1	BVMWC River PU (USGS)	1.8		L1	SCE SAR AVM (SCADA)	15.6		x	SOD Reservoir Elevation (scada)	N/A		Edison Generation			
I1	Redlands Tunnel	0.3		X1	SAR-MC Spread (Red. Aqueduct)	0.0		y	Debris Pool Elevation	N/A		SAR PH#1 Generating	<input checked="" type="checkbox"/>		
A1	SAR PH #3 Penstock (calc)	9.4										SAR PH#3 Generating	<input checked="" type="checkbox"/>		
K1	PH3# Penstock (SCADA)	10.4													

Santa Ana River Deliveries															
Greenspot Pipeline				Tailrace Pipeline				SBVVCD Parshall Flume To Basins				Deliveries			
M1	SBCFCD Grove	0.0		G2	Northfork Canal Weir	8.5		J2	Tailrace Valve to Parshall Flume	0.0		V1	SAR PH #3 Afterbay Spill	0.0	
N1	BVMWC Highline	0.0		H2	Edwards Canal	1.0		K2	Northfork Parshall Flume	0.0		W1	Redlands Aqueduct / Sandbox	0.0	
O1	Newport for BVMWC	0.0		J2	Tailrace Valve to Parshall Flume	0.0		H1	SBVVCD Diversion	0.0		Y1	Redlands Sandbox Spill	2.0	
P1	SBVVCD Mill Creek Spreading	0.0		K2	Northfork Parshall Flume	0.0		L2	SBVVCD Parshall Flume	0.0		Z2	Cuttle Weir To River	0.0	
Q1	Crafton WC Unger Lane	0.0		I2	Tailrace Pipeline	9.5			Parshall Flume (SCADA)	0.0		B1	BVMWC Highline	5.7	
R1	BVMWC Highline to Boullioun	0.0										C1	Greenspot Pipeline	0.0	
S1	Crafton WC Boullioun	0.0		Irrigation				Irrigation				I2	Tailrace Pipeline	9.5	
T1	Tate Pump Station to Zanja	0.0		D2	Boullioun Box Weir	5.7						L2	SBVVCD Parshall Flume	0.0	
C1	Greenspot Pipeline	0.0											minus		
								B2	Gay Overflow	1.4		J2	Tailrace Valve to Parshall Flume	0.0	
								C2	Irrigation	4.3		K2	Northfork Parshall Flume	0.0	
												I1	Redlands Tunnel	0.3	
												N2	Total SAR Deliveries	16.9	

Mill Creek Inflows							
Total MC Inflows				Other			
A3	RPU Flow	5.5		E3	M/C #1 Penstock Flow	13.7	
B3	M/C #3 Penstock	8.2		F3	Stream Parshall Flume to Yucaipa	0.0	
C3	SBVVCD Mill Creek Diversion	0.0		G3	Observation at Garnet	0.0	
D3	Total MC Inflows	13.7					

Mill Creek Deliveries															
Yucaipa Pipeline				MC #1 Flow (Cooley Hat)				Total MC Deliveries				Other			
I3	Yucaipa Regional Park	0.0		P3	Tate Inflow	12.1		C3	SBVVCD Mill Creek Diversion	0.0		H3	Mentone Reservoir Level	19.3	
J3	Wilson Creek Spreading	0.0		Q3	East Weir to Mill Creek	0.0		T3	Mill Creek #1 Flow (Cooley Hat)	13.7		R3	Boullioun to BVMWC Highline	0.0	
K3	Yucaipa Pipeline	0.0		S3	East Weir to Zanja	1.6		W3	Mill Creek PH #2,3 Afterbay Spill	0.0		V3	Zanja West Weir to CWC Canal	4.7	
				T3	MC #1 Flow (Cooley Hat)	13.7		U3	Total MC Deliveries	13.7		W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
												Y3	Crafton Reservoir Level (21.3)	18.5	

SBVVCD MC Spreading							
C3	SBVVCD Mill Creek Diversion	0.0					
L3	East Weir (MC)	0.0					
M3	BVHL (SAR)	0.0					
W3	Mill Creek PH #2,3 Afterbay Spill	0.0					
X1	SAR-MC Spread (Red. Aqueduct)	0.0					
O3	SBVVCD MC Spreading	0.0					

SBVVCD Recharge															
Location		Type	Previous Day (AF)				WY To Date (AF)			Calendar Year To Date (AF)					
A4	Santa Ana River	SAR	E4		0.0		I4		0.0	166,000	I4		18,559.6	166,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4		0.0		O4		0.0		O4		1,299.1		
B4	Santa Ana River	SWP	F4		110.3		J4		2,271.2		J4		14,988.3		
C4	Mill Creek	MC	G4		0.0		K4		0.0	99,700	K4		5,165.9	99,700	
D4	Mill Creek	SWP	H4		0.0		L4		0.0		L4		2,896.9		
	Redlands	SWP			0.0				0.0				0.0		
	Loma Linda	SWP			0.0				0.0				1,939.8		
	East Valley	SWP			0.0				0.0				2,816.0		
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					