

Santa Ana River-Mill Creek Cooperative Water Project									
				Daily Flow Report		Date: August 30,2010			
						Time: 0700			
State Water Project						Revised 1/27/2010			
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)		
(+A)	BBMWD In-lieu	0.0	(+H)	¹ EVWD Treatment Plant	0.0	(+P)	¹ SARC West	0.0	
(+B)	Muni test @ Greenspot Sta.	0.0	(+I)	¹ Santa Ana Low Turnout	0.0	(+Q)	¹ Zanja	0.0	
(+C)	Exchange Water	0.0	(+J)	¹ Northfork Canal	7.3	(+R)	¹ Tate Treatment Plant	6.0	
(+D)	Purchased Water	31.6	(+K)	¹ Edwards Canal	0.0	(+S)	¹ SBCFCD Grove	1.1	
(+E)	Redlands Aqueduct Leakage	0.0	(+L)	¹ Redlands Aqueduct	14.2	(+T)	¹ Newport for BVMWC	0.0	
(+F)	Recharge Project	0.0	(+M)	¹ Crafton Unger Lane	3.0	(+U)	¹ M/C spreading @ ZT	0.0	
(Σ)G	Total SWP Inflows	31.6	(+N)	¹ BVMWC Boullioun Box		(Σ)V	Total SWP Deliveries	31.6	
Santa Ana River				SOD Reservoir Elevation	NA	Debris Pool Elevation		2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A1)	PH #3 Penstock (CALC)	13.5	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	2.1	(+N1)	BVMWC Highline	0.0	(+B2)	Gay Overflow	2.1	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	0.0	
(+F1)	Greenspot Spill	0.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(Σ)D2)	Boullioun Box Weir	2.1	
A4	SAR Inflow-SubTotal-1	15.6	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	4.8	(+R1)	BVMWC Highline to Boullioun	0.0	(+F2)	SBVWCD Mill Creek Spread	0.0	
(+E1)	Main River Gage (USGS)	11.0	(+S1)	Crafton WC Boullioun	0.0	(Σ)B1)	BVMWC Highline	2.1	
Z1	SOD ReleaseSubTotal D1+E1	15.8	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	0.0	
(Σ)G1)	SubTotal 1+2 SAR Inflows	31.4	(Σ)C1)	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	0.7	
(-)D1a)	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	0.0	(+J2)	Tailrace Valve	0.0	
(Σ)A5)	Total SAR Inflows	31.4	W1)	Redlands Aqueduct Weir	0.0	(+K2)	Northfork Parshall Flume	0.0	
H1)	SBVWCD Diversion	11.0	X1)	SBVWCD Mill Creek Spreading	0.0	(Σ)I2)	Tailrace Pipeline	0.7	
I1)	Redlands Tunnel	1.1	Y1)	Redlands Sandbox Spill	18.7	(+L2)	SBVWCD Parshall FlumeTo Basins	11.0	
J1)	⁸ Big Bear Lake Release	3.3	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1)	Greenspot Pipeline	0.0	
K1)	PH#3 Penstock (SCADA)	13.5				(Σ)N2)	¹ Total SAR Deliveries	31.4	
L1)	SCE SAR AVM (SCADA)	17.3							
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
Mill Creek				(+I3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	12.9
	Inflows	Flow Rate (cfs)	(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	0.0	
(+A3)	RPU Flow	0.0	(Σ)K3)	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.4	
(+B3)	M/C #3 Penstock	17.7	(+L3)	East Weir (MC)	0.0	(+S3)	East Weir to Zanja	4.8	
(+C3)	SBVWCD Mill Creek Diversion	7.0	(+M3)	BVHL (SAR)	0.0	(Σ)T3)	Mill Creek #1 Flow (Cooley Hat)	17.7	
(Σ)D3)	Total MC Inflows	24.7	(+C3)	Mill Creek Diversion (MC)	7.0	U3)	Total MC Deliveries	24.7	
E3)	M/C #1 Penstock Flow	17.7	(Σ)O3)	SBVWCD Spreading	7.0	V3)	Zanja West Weir to CWC Canal	3.4	
F3)	Stream Parshall Flume to Yucaipa	0.0				W3)	Mill Creek PH #2,3 Afterbay Spill	0.0	
G3)	Observation at Garnet Bridge	0.5							
H3)			I3)	Mentone Reser. Level (23.0)	20.0	Y3)	Crafton Reser. Level (21.3)	9.7	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target		
A4)	Santa Ana River	SAR	E4	64	I4	21,454	10,000		
M4)	Santa Ana Rvr to Mill Creek	SAR-MC	N4		O4	42			
B4)	Santa Ana River	SWP	F4		J4	1,115			
C4)	Mill Creek	MC	G4	46	K4	8,880	8,000		
D4)	Mill Creek	SWP	H4		L4	831			
	SBVMWD	SWP							
	WMWD	SWP							

Comments:							
1) Source = SCADAVIEW							18)Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
2) State Water Inflows, (Σ)G = A+B+C+D+E+F							19)BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U-F1							20)Greenspot Pipeline, (Σ)U1 =M1+N1+O1+P1+Q1+R1+S1+T1
4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+W1+Y1-I1-D1-E21							21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2+J2
5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2							22)PH#3 PENSTOCK (Calc)
6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2							23)Total Mill Creek Deliveries,(Σ)U3 = T3+C3
7) Total SAR Inflows, (Σ)G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to SCE PP# 3 Afterbay (F1 now part of D1 value)							
8) Total SAR Inflows, (Σ)G1 = A1+B1+C1+E1, if BVMWD River Pickup gated closed ("Y" for "yes") water is bypassed to SAR (F1 now part of D1 value)							
9) Greenspot Pipeline, (Σ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1							
10) Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1							
11)Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3							
12) M/C #1 Penstock Flow, (Σ)E3 = T3							
13) M/C #1 Penstock Flow, (Σ)E3 = A3 + B3							
14) SBVWCD Mill Cr Diversion (Σ)C3 = E3+F3							
15) Yucaipa Pipeline, (Σ)K3 = I3 + J3 a) Per fish release from Big Bear Lake.							
16) SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3							
17) Seven Oaks Dam Release = Z1 = D1 - F1							
SAR - On August 21, 2008, the agreement to waive the provisions of paragraph 5(e) of Exhibit A of the August 2005							
Settlement Agreement among Valley District/Western and the Conservation District, in connection with application 31693 expired.							