



Santa Ana River-Mill Creek Cooperative Water Project							
						Daily Flow Report	
						Date: 9.24.2009	
						Time: 0630	
State Water Project							
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)	
(+A) BBMWD In-lieu	26.6	(+H) EVWD Treatment Plant	0.0	(+P) SARC West	0.0		
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	19.8	(+Q) Zanja	0.0		
(+C) Exchange Water	0.0	(+J) Northfork Canal	6.8	(+R) Tate Treatment Plant	3.5		
(+D) Purchased Water	19.8	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	0.7		
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	8.0	(+T) Newport for BVMWC	0.6		
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	7.0	(+U) M/C spreading @ ZT	0.0		
( ) G Total SWP Inflows	46.4	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	46.4		
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)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0		
(+B1) BVMWC Highline	5.2	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	0.0		
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	5.2		
(+D1) BVMWC River PU (USGS)	5.8	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.2		
(+F1) Greenspot Spill	3.2	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0		
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0		
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.2		
( ) G1 Total SAR Inflows	11.0	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0		
H1 SBVWCD Diversion	0.0	( ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0		
I1 Redlands Tunnel	0.2	(+V1) PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0		
J1 Big Bear Lake Release	1.33	W1 Redlands Aqueduct Weir	6.0	(+K2) Northfork Parshall Flume	0.0		
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	( ) I2 Tailrace Pipeline	0.0		
L1 SCE SAR AVM (SCADA)	7.7	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0		
Z1 Seven Oaks Dam Release	2.6	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0		
				( ) N2 Total SAR Deliveries	11.0		
Mill Creek							
Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A3) RPU Flow	5.3	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	9.5		
(+B3) M/C #3 Penstock	8.2	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0		
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0		
( ) D3 Total MC Inflows	13.5	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	4.0		
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.5		
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	13.5		
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	8.9		
H3				W3 Mill Creek PH #2.3 Afterbay Spill	0.0		
				I3 Mentone Reser. Level (23.0)	21.0	Y3 Crafton Reser. Level (21.3)	
14.9							
SBVWCD Recharge							
Location	Type	Previous Day (AF)		WY To Date (AF)		Target	
A4 Santa Ana River	SAR	E4		I4	8,456	10,000	
B4 Santa Ana River	SWP	F4	39	J4	848		
C4 Mill Creek	MC	G4		K4	4,450	8,000	
D4 Mill Creek	SWP	H4		L4	555		
Comments:							
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.			
2) State Water Inflows, ( ) G = A+B+C+D+E+F							
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U							
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a							
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2							
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2							
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)							
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1							
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+I2+L2							
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3							
12) M/C #1 Penstock Flow, ( ) E3 = T3							
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3							
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3							
15) Yucaipa Pipeline, ( ) K3 = I3 + J3							
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3							
17) Seven Oaks Dam Release = Z1 = D1 - F1							

Santa Ana River-Mill Creek Cooperative Water Project							
Daily Flow Report						Date: 9.23.2009	
						Time: 0630	
<b>State Water Project</b>							
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries (continued)</b>	Flow Rate (cfs)
(+A)	BBMWD In-lieu	17.4	(+H)	EVWD Treatment Plant	0.0	(+P) <sup>1</sup> SARC West	0.0
(+B)	Muni test @ Greenspot Sta.	0.0	(+I)	<sup>1</sup> Santa Ana Low Turnout	19.7	(+Q) <sup>1</sup> Zanja	0.0
(+C)	Exchange Water	0.0	(+J)	<sup>1</sup> Northfork Canal	7.7	(+R) <sup>1</sup> Tate Treatment Plant	0.0
(+D)	Purchased Water	19.7	(+K)	<sup>1</sup> Edwards Canal	0.0	(+S) <sup>1</sup> SBCFCD Grove	0.9
(+E)	Redlands Aqueduct Leakage	0.0	(+L)	<sup>1</sup> Redlands Aqueduct	7.9	(+T) <sup>1</sup> Newport for BVMWC	0.9
(+F)	Recharge Project	0.0	(+M)	Crafton Unger Lane	0.0	(+U) <sup>1</sup> M/C spreading @ ZT	0.0
( ) G	<b>Total SWP Inflows</b>	<b>37.1</b>	(+N)	<sup>1</sup> BVMWC Boulliou Box	<b>0.0</b>	( ) V <b>Total SWP Deliveries</b>	<b>37.1</b>
<b>Santa Ana River</b>				<b>SOD Reservoir Elevation</b>	NA	<b>Debris Pool Elevation</b>	2200.00
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries</b>	Flow Rate (cfs)
(+A1)	PH #3 Penstock (CALC)	0.0	(+M1)	SBCFCD Grove	0.0	(+A2) Newport	0.0
(+B1)	BVMWC Highline	5.4	(+N1)	BVMWC Highline	0.0	(+B2) <i>Gay Overflow</i>	0.7
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2) <i>Irrigation</i>	4.7
(+D1)	BVMWC River PU (USGS)	5.9	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.4
(+F1)	Greenspot Spill	3.3	(+Q1)	Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0
(-D1a)	If BV p/u gated, divert to SAR= "Y"		(+R1)	BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0
(+E1)	Main River Gage (USGS)	0.0	(+S1)	Crafton WC Boulliou	0.0	( ) B1 <b>BVMWC Highline</b>	<b>5.4</b>
( ) G1	<b>Total SAR Inflows</b>	<b>11.3</b>	(+T1)	Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0
H1	SBVWCD Diversion	0.0	( ) U1	Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0
I1	Redlands Tunnel	0.2	(+V1)	PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0
J1	"Big Bear Lake Release	1.31	W1	Redlands Aqueduct Weir	6.1	(+K2) Northfork Parshall Flume	0.0
K1	PH#3 Penstock (SCADA)	0.0	X1	SBVWCD Mill Creek Spreading	0.0	( ) I2 <b>Tailrace Pipeline</b>	<b>0.0</b>
L1	SCE SAR AVM (SCADA)	7.4	Y1	Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0
Z1	Seven Oaks Dam Release	2.6	(+Z2)	Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0
						( ) N2 <sup>1</sup> <b>Total SAR Deliveries</b>	<b>11.3</b>
<b>Mill Creek</b>							
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries</b>	Flow Rate (cfs)
(+A3)	RPU Flow	5.3	(+I3)	Yucaipa Regional Park	0.0	(+P3) Tate Inflow	6.7
(+B3)	M/C #3 Penstock	8.4	(+J3)	Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0
(+C3)	SBVWCD Mill Creek Diversion	0.0	( ) K3	<b>Yucaipa Pipeline</b>	0.0	(+R3) Boulliou to BVMWC Highline	0.0
( ) D3	<b>Total MC Inflows</b>	<b>13.7</b>	(+L3)	East Weir (MC)	0.0	(+S3) East Weir to Zanja	7.0
E3	M/C #1 Penstock Flow	0.0	(+M3)	BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.7
F3	Stream Parshall Flume to Yucaipa	0.0	(+N3)	Mill Creek Diversion (MC)	0.0	U3 <b>Total MC Deliveries</b>	<b>13.7</b>
G3	Observation at Garnet Bridge	0.0	( ) O3	<b>SBVWCD Spreading</b>	0.0	V3 Zanja West Weir to CWC Canal	5.6
H3						W3 Mill Creek PH #2.3 Afterbay Spill	0.0
			I3	Mentone Reser. Level (23.0)	20.2	Y3 Crafton Reser. Level (21.3)	14.8
<b>SBVWCD Recharge</b>							
	<b>Location</b>	<b>Type</b>		<b>Previous Day (AF)</b>		<b>WY To Date (AF)</b>	<b>Target</b>
A4	Santa Ana River	SAR	E4		I4	8,456	10,000
B4	Santa Ana River	SWP	F4	39	J4	769	
C4	Mill Creek	MC	G4		K4	4,450	8,000
D4	Mill Creek	SWP	H4		L4	555	
<b>Comments:</b>							
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.			
2) State Water Inflows, ( ) G = A+B+C+D+E+F							
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U							
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a							
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2							
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2							
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)							
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1							
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+I2+L2							
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3							
12) M/C #1 Penstock Flow, ( ) E3 = T3							
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3							
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3							
15) Yucaipa Pipeline, ( ) K3 = I3 + J3							
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3							
17) Seven Oaks Dam Release = Z1 = D1 - F1							

Santa Ana River-Mill Creek Cooperative Water Project								
					Daily Flow Report			
					Date: 9.22.2009			
					Time: 0630			
State Water Project								
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)		
(+A) BBMWD In-lieu	25.6	(+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	19.8	(+Q) 1	Zanja 0.0		
(+C) Exchange Water	0.0	(+J) 1	Northfork Canal	7.8	(+R) 1	Tate Treatment Plant 6.0		
(+D) Purchased Water	19.8	(+K) 1	Edwards Canal	0.0	(+S) 1	SBCFCD Grove 1.0		
(+E) Redlands Aqueduct Leakage	0.0	(+L) 1	Redlands Aqueduct	8.0	(+T) 1	Newport for BVMWC 0.8		
(+F) Recharge Project	0.0	(+M) 1	Crafton Unger Lane	2.0	(+U) 1	M/C spreading @ ZT 0.0		
( ) G	<b>Total SWP Inflows</b>	(+N) 1	<b>BVMWC Boulliou Box</b>	<b>0.0</b>	( ) V	<b>Total SWP Deliveries</b>	<b>45.4</b>	
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)	0.0	(+M1) 1	SBCFCD Grove	0.0	(+A2) 1	Newport 0.0		
(+B1) BVMWC Highline	5.3	(+N1) 1	BVMWC Highline	0.0	(+B2) 1	Gay Overflow 2.3		
(+C1) Greenspot Pipeline	0.0	(+O1) 1	Newport for BVMWC	0.0	(+C2) 1	Irrigation 3.0		
(+D1) BVMWC River PU (USGS)	5.7	(+P1) 1	SBVWCD Mill Creek Spreading	0.0	(+D2) 1	Boulliou Box Weir 5.3		
(+F1) Greenspot Spill	3.1	(+Q1) 1	Crafton WC Unger Lane	0.0	(+E2) 1	Boulliou Box to Zanja 0.0		
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) 1	BVMWC Highline to Boulliou	0.0	(+F2) 1	SBVWCD Mill Creek Spread 0.0		
(+E1) Main River Gage (USGS)	0.0	(+S1) 1	Crafton WC Boulliou	0.0	( ) B1	<b>BVMWC Highline</b>	<b>5.3</b>	
( ) G1	<b>Total SAR Inflows</b>	(+T1) 1	<b>Tate Pump Station to Zanja</b>	<b>0.0</b>	(+G2) 1	<b>Northfork Canal Weir</b>	<b>0.0</b>	
H1	SBVWCD Diversion	( ) U1	Greenspot Pipeline	0.0	(+H2) 1	Edwards Canal	0.9	
I1	Redlands Tunnel	(+V1) 1	PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) 1	Tailrace Valve	0.0	
J1	Big Bear Lake Release	W1	Redlands Aqueduct Weir	5.0	(+K2) 1	Northfork Parshall Flume	0.0	
K1	PH#3 Penstock (SCADA)	X1	SBVWCD Mill Creek Spreading	0.0	( ) I2	<b>Tailrace Pipeline</b>	<b>0.9</b>	
L1	SCE SAR AVM (SCADA)	Y1	Redlands Sandbox Spill	0.0	(+L2) 1	<b>SBVWCD Parshall Flume To Basins</b>	<b>0.0</b>	
Z1	Seven Oaks Dam Release	(+Z2) 1	Cuttle Weir To River	0.0	( ) C1	Greenspot Pipeline	0.0	
					( ) N2	<b>1) Total SAR Deliveries</b>	<b>11.0</b>	
Mill Creek								
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A3) RPU Flow	5.3	(+I3) 1	Yucaipa Regional Park	0.0	(+P3) 1	Tate Inflow	8.2	
(+B3) M/C #3 Penstock	8.0	(+J3) 1	Wilson Creek Spreading	0.0	(+Q3) 1	East Weir to Mill Creek	0.0	
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	(+R3) 1	Boulliou to BVMWC Highline	0.0	
( ) D3	<b>Total MC Inflows</b>	(+L3) 1	<b>East Weir (MC)</b>	<b>0.0</b>	(+S3) 1	<b>East Weir to Zanja</b>	<b>5.1</b>	
E3	M/C #1 Penstock Flow	(+M3) 1	BVHL (SAR)	0.0	( ) T3	Mill Creek #1 Flow (Cooley Hat)	13.3	
F3	Stream Parshall Flume to Yucaipa	(+N3) 1	Mill Creek Diversion (MC)	0.0	U3	<b>Total MC Deliveries</b>	<b>13.3</b>	
G3	Observation at Garnet Bridge	( ) O3	<b>SBVWCD Spreading</b>	<b>0.0</b>	V3	Zanja West Weir to CWC Canal	5.6	
H3					W3	Mill Creek PH #2.3 Afterbay Spill	0.0	
			I3	Mentone Reser. Level (23.0)	19.5	Y3	Crafton Reser. Level (21.3)	14.7
SBVWCD Recharge								
Location	Type	Previous Day (AF)		WY To Date (AF)		Target		
A4	Santa Ana River	SAR	E4		I4	8,456	10,000	
B4	Santa Ana River	SWP	F4	40	J4	770		
C4	Mill Creek	MC	G4		K4	4,450	8,000	
D4	Mill Creek	SWP	H4		L4	555		
Comments:								
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.				
2) State Water Inflows, ( ) G = A+B+C+D+E+F								
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U								
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a								
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2								
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2								
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)								
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1								
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+I2+L2								
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3								
12) M/C #1 Penstock Flow, ( ) E3 = T3								
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3								
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3								
15) Yucaipa Pipeline, ( ) K3 = I3 + J3								
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3								
17) Seven Oaks Dam Release = Z1 = D1 - F1								

Santa Ana River-Mill Creek Cooperative Water Project							
					Daily Flow Report		
					Date: 9.21.2009		
					Time: 0600		
State Water Project							
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)	
(+A) BBMWD In-lieu	23.9	(+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	20.1	(+Q) 1	Zanja	0.0
(+C) Exchange Water	0.0	(+J) 1	Northfork Canal	6.9	(+R) 1	Tate Treatment Plant	6.0
(+D) Purchased Water	20.1	(+K) 1	Edwards Canal	0.0	(+S) 1	SBCFCD Grove	1.0
(+E) Redlands Aqueduct Leakage	0.0	(+L) 1	Redlands Aqueduct	8.0	(+T) 1	Newport for BVMWC	0.0
(+F) Recharge Project	0.0	(+M) 1	Crafton Unger Lane	2.0	(+U) 1	M/C spreading @ ZT	0.0
( ) G	<b>Total SWP Inflows</b>	(+N) 1	<b>BVMWC Boulliou Box</b>	<b>0.0</b>	( ) V	<b>Total SWP Deliveries</b>	<b>44.0</b>
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)	-0.2	(+M1) 1	SBCFCD Grove	0.0	(+A2) 1	Newport	0.0
(+B1) BVMWC Highline	6.5	(+N1) 1	BVMWC Highline	0.0	(+B2) 1	Gay Overflow	3.5
(+C1) Greenspot Pipeline	0.0	(+O1) 1	Newport for BVMWC	0.0	(+C2) 1	Irrigation	3.0
(+D1) BVMWC River PU (USGS)	5.5	(+P1) 1	SBVWCD Mill Creek Spreading	0.0	(+D2) 1	Boulliou Box Weir	6.5
(+F1) Greenspot Spill	2.9	(+Q1) 1	Crafton WC Unger Lane	0.0	(+E2) 1	Boulliou Box to Zanja	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) 1	BVMWC Highline to Boulliou	0.0	(+F2) 1	SBVWCD Mill Creek Spread	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) 1	Crafton WC Boulliou	0.0	( ) B1	<b>BVMWC Highline</b>	<b>6.5</b>
( ) G1	<b>Total SAR Inflows</b>	(+T1) 1	<b>Tate Pump Station to Zanja</b>	<b>0.0</b>	(+G2) 1	<b>Northfork Canal Weir</b>	<b>0.0</b>
H1 SBVWCD Diversion	0.0	( ) U1	Greenspot Pipeline	0.0	(+H2) 1	Edwards Canal	0.9
I1 Redlands Tunnel	0.2	(+V1) 1	PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) 1	Tailrace Valve	0.0
J1 Big Bear Lake Release	1.32	W1	Redlands Aqueduct Weir	4.6	(+K2) 1	Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1	SBVWCD Mill Creek Spreading	0.0	( ) I2	<b>Tailrace Pipeline</b>	<b>0.9</b>
L1 SCE SAR AVM (SCADA)	8.2	Y1	Redlands Sandbox Spill	0.0	(+L2) 1	<b>SBVWCD Parshall Flume To Basins</b>	<b>0.0</b>
Z1 Seven Oaks Dam Release	2.6	(+Z2) 1	Cuttle Weir To River	0.0	( ) C1	Greenspot Pipeline	0.0
					( ) N2	<b>1) Total SAR Deliveries</b>	<b>11.8</b>
Mill Creek							
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	
(+A3) RPU Flow	5.4	(+I3) 1	Yucaipa Regional Park	0.0	(+P3) 1	Tate Inflow	8.7
(+B3) M/C #3 Penstock	7.9	(+J3) 1	Wilson Creek Spreading	0.0	(+Q3) 1	East Weir to Mill Creek	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3	<b>Yucaipa Pipeline</b>	<b>0.0</b>	(+R3) 1	Boulliou to BVMWC Highline	0.0
( ) D3	<b>Total MC Inflows</b>	(+L3) 1	<b>East Weir (MC)</b>	<b>0.0</b>	(+S3) 1	<b>East Weir to Zanja</b>	<b>4.6</b>
E3 M/C #1 Penstock Flow	0.0	(+M3) 1	BVHL (SAR)	0.0	( ) T3	Mill Creek #1 Flow (Cooley Hat)	13.3
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) 1	Mill Creek Diversion (MC)	0.0	U3	<b>Total MC Deliveries</b>	<b>13.3</b>
G3 Observation at Garnet Bridge	0.0	( ) O3	<b>SBVWCD Spreading</b>	<b>0.0</b>	V3	Zanja West Weir to CWC Canal	2.6
H3					W3	Mill Creek PH #2.3 Afterbay Spill	0.0
			I3 Mentone Reser. Level (23.0)	19.1	Y3	Crafton Reser. Level (21.3)	14.5
SBVWCD Recharge							
Location	Type		Previous Day (AF)		WY To Date (AF)	Target	
A4 Santa Ana River	SAR	E4		I4	8,456	10,000	
B4 Santa Ana River	SWP	F4	119	J4	730		
C4 Mill Creek	MC	G4		K4	4,450	8,000	
D4 Mill Creek	SWP	H4		L4	555		
Comments:							
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.			
2) State Water Inflows, ( ) G = A+B+C+D+E+F							
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U							
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a							
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2							
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2							
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)							
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1							
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+I2+L2							
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3							
12) M/C #1 Penstock Flow, ( ) E3 = T3							
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3							
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3							
15) Yucaipa Pipeline, ( ) K3 = I3 + J3							
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3							
17) Seven Oaks Dam Release = Z1 = D1 - F1							

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.18.2009	
					Time: 0600	
State Water Project						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BBMWD In-lieu	22.8	(+H) EVWVD Treatment Plant	0.0	(+P) SARC West	0.0	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	19.8	(+Q) Zanja	0.0	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	6.6	(+R) Tate Treatment Plant	6.0	6.0
(+D) Purchased Water	19.8	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	1.0	1.0
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	8.0	(+T) Newport for BVMWC	1.2	1.2
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0	0.0
( ) G Total SWP Inflows	42.6	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	42.6	42.6
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)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0	0.0
(+B1) BVMWC Highline	5.8	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	3.0	3.0
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	2.8	2.8
(+D1) BVMWC River PU (USGS)	4.9	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.8	5.8
(+F1) Greenspot Spill	2.3	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.8	5.8
( ) G1 Total SAR Inflows	10.7	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	0.0
H1 SBVWCD Diversion	0.0	( ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.9	0.9
I1 Redlands Tunnel	0.2	(+V1) PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0	0.0
J1 Big Bear Lake Release	1.0	W1 Redlands Aqueduct Weir	4.2	(+K2) Northfork Parshall Flume	0.0	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	( ) I2 Tailrace Pipeline	0.9	0.9
L1 SCE SAR AVM (SCADA)	8.1	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	0.0
Z1 Seven Oaks Dam Release	2.6	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	0.0
				( ) N2 Total SAR Deliveries	10.7	10.7
Mill Creek						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	5.4	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	9.5	9.5
(+B3) M/C #3 Penstock	8.0	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0	0.0
( ) D3 Total MC Inflows	13.4	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	3.9	3.9
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.4	13.4
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	13.4	13.4
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	2.6	2.6
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0	0.0
		I3 Mentone Reser. Level (23.0)	20.1	Y3 Crafton Reser. Level (21.3)	14.9	14.9
SBVWCD Recharge						
Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4		I4	8,456	10,000
B4 Santa Ana River	SWP	F4	40	J4	611	
C4 Mill Creek	MC	G4		K4	4,450	8,000
D4 Mill Creek	SWP	H4		L4	555	
Comments:						
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F						
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2						
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)						
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+H2+L2						
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( ) E3 = T3						
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3						
15) Yucaipa Pipeline, ( ) K3 = I3 + J3						
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.17.2009	
					Time: 0625	
State Water Project						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BBMWD In-lieu	21.5	(+H) EVWVD Treatment Plant	0.0	(+P) SARC West	0.0	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	20.1	(+Q) Zanja	0.0	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	6.6	(+R) Tate Treatment Plant	6.0	6.0
(+D) Purchased Water	20.1	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	1.0	1.0
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	7.9	(+T) Newport for BVMWC	0.0	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0	0.0
( ) G Total SWP Inflows	41.6	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	41.6	41.6
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)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0	0.0
(+B1) BVMWC Highline	5.8	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	2.3	2.3
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	3.5	3.5
(+D1) BVMWC River PU (USGS)	5.6	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.8	5.8
(+F1) Greenspot Spill	3.0	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.8	5.8
( ) G1 Total SAR Inflows	11.4	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	0.0
H1 SBVWCD Diversion	0.0	( ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0	0.0
I1 Redlands Tunnel	0.2	(+V1) PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0	0.0
J1 Big Bear Lake Release	1.0	W1 Redlands Aqueduct Weir	5.8	(+K2) Northfork Parshall Flume	0.0	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	( ) I2 Tailrace Pipeline	0.0	0.0
L1 SCE SAR AVM (SCADA)	8.5	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	0.0
Z1 Seven Oaks Dam Release	2.6	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	0.0
				( ) N2 Total SAR Deliveries	11.4	11.4
Mill Creek						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	5.7	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	10.2	10.2
(+B3) M/C #3 Penstock	8.2	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0	0.0
( ) D3 Total MC Inflows	13.9	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	3.7	3.7
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.9	13.9
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	13.9	13.9
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	2.6	2.6
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0	0.0
		I3 Mentone Reser. Level (23.0)	21.0	Y3 Crafton Reser. Level (21.3)	15.8	15.8
SBVWCD Recharge						
Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4		I4	8,456	10,000
B4 Santa Ana River	SWP	F4	40	J4	571	
C4 Mill Creek	MC	G4		K4	4,450	8,000
D4 Mill Creek	SWP	H4		L4	555	
Comments:						
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F						
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2						
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)						
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+H2+L2						
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( ) E3 = T3						
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3						
15) Yucaipa Pipeline, ( ) K3 = I3 + J3						
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.16.2009	
					Time: 0630	
<b>State Water Project</b>						
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries (continued)</b>
(+)	BBMWD In-lieu	21.5	(+)	EVWD Treatment Plant	0.0	(+) SARC West
(+)	Muni test @ Greenspot Sta.	0.0	(+)	Santa Ana Low Turnout	20.3	(+) Zanja
(+)	Exchange Water	0.0	(+)	Northfork Canal	6.6	(+) Tate Treatment Plant
(+)	Purchased Water	20.3	(+)	Edwards Canal	0.0	(+) SBCFCD Grove
(+)	Redlands Aqueduct Leakage	0.0	(+)	Redlands Aqueduct	7.9	(+) Newport for BVMWC
(+)	Recharge Project	0.0	(+)	Crafton Unger Lane	0.0	(+) M/C spreading @ ZT
( )	<b>Total SWP Inflows</b>	<b>41.8</b>	(+)	<b>BVMWC Boullion Box</b>	<b>0.0</b>	( ) <b>Total SWP Deliveries</b>
<b>Santa Ana River</b>						
				<b>SOD Reservoir Elevation</b>	NA	<b>Debris Pool Elevation</b>
						2200.00
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries</b>
(+)	PH #3 Penstock (CALC)	0.0	(+)	SBCFCD Grove	0.0	(+) Newport
(+)	BVMWC Highline	5.9	(+)	BVMWC Highline	0.0	(+) Gay Overflow
(+)	Greenspot Pipeline	0.0	(+)	Newport for BVMWC	0.0	(+) Irrigation
(+)	BVMWC River PU (USGS)	7.1	(+)	SBVWCD Mill Creek Spreading	0.0	(+) Boullion Box Weir
(+)	Greenspot Spill	4.5	(+)	Crafton WC Unger Lane	0.0	(+) Boullion Box to Zanja
(-)	If BV p/u gated, divert to SAR= "Y"		(+)	BVMWC Highline to Boullion	0.0	(+) SBVWCD Mill Creek Spread
(+)	Main River Gage (USGS)	0.0	(+)	Crafton WC Boullion	0.0	( ) BVMWC Highline
( )	<b>Total SAR Inflows</b>	<b>13.0</b>	(+)	Tate Pump Station to Zanja	0.0	(+) Northfork Canal Weir
H1	SBVWCD Diversion	0.0	( )	Greenspot Pipeline	0.0	(+) Edwards Canal
I1	Redlands Tunnel	0.2	(+)	PH #3 Afterbay Spill Loss to SAR	0.0	(+) Tailrace Valve
J1	Big Bear Lake Release	1.0	W1	Redlands Aqueduct Weir	7.3	(+) Northfork Parshall Flume
K1	PH#3 Penstock (SCADA)	0.0	X1	SBVWCD Mill Creek Spreading	0.0	( ) Tailrace Pipeline
L1	SCE SAR AVM (SCADA)	10.2	Y1	Redlands Sandbox Spill	0.0	(+) SBVWCD Parshall Flume To Basins
Z1	Seven Oaks Dam Release	2.6	(+)	Cuttle Weir To River	0.0	( ) Greenspot Pipeline
						( ) <b>Total SAR Deliveries</b>
						13.0
<b>Mill Creek</b>						
	<b>Inflows</b>	Flow Rate (cfs)		<b>Deliveries</b>	Flow Rate (cfs)	<b>Deliveries</b>
(+)	RPU Flow	5.7	(+)	Yucaipa Regional Park	0.0	(+) Tate Inflow
(+)	M/C #3 Penstock	8.4	(+)	Wilson Creek Spreading	0.0	(+) East Weir to Mill Creek
(+)	SBVWCD Mill Creek Diversion	0.0	( )	Yucaipa Pipeline	0.0	(+) Boullion to BVMWC Highline
( )	<b>Total MC Inflows</b>	<b>14.1</b>	(+)	East Weir (MC)	0.0	(+) East Weir to Zanja
E3	M/C #1 Penstock Flow	0.0	(+)	BVHL (SAR)	0.0	( ) Mill Creek #1 Flow (Cooley Hat)
F3	Stream Parshall Flume to Yucaipa	0.0	(+)	Mill Creek Diversion (MC)	0.0	<b>Total MC Deliveries</b>
G3	Observation at Garnet Bridge	0.0	( )	SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal
H3						W3 Mill Creek PH #2,3 Afterbay Spill
				I3	Mentone Reser. Level (23.0)	21.3
						Y3
						Crafton Reser. Level (21.3)
						16.3
<b>SBVWCD Recharge</b>						
	<b>Location</b>	<b>Type</b>	<b>E4</b>	<b>Previous Day (AF)</b>	<b>I4</b>	<b>WY To Date (AF)</b>
A4	Santa Ana River	SAR	E4		I4	8,456
B4	Santa Ana River	SWP	F4	37	J4	531
C4	Mill Creek	MC	G4		K4	4,450
D4	Mill Creek	SWP	H4		L4	555
<b>Comments:</b>						
1) Source = SCADAVIEW			a) Per fish release from Big Bear Lake.			
2) State Water Inflows, ( )G = A+B+C+D+E+F						
3) State Water Deliveries, ( )V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( )A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( )B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( )G1 = ( )N2						
7) Total SAR Inflows, ( )G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)						
8) Total SAR Inflows, ( )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, ( )U1 = M1 +N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( )N2 = U1+V1+W1+D1-I1+B1+I2+L2						
11) Total Mill Creek Inflows, ( )D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( )E3 = T3						
13) M/C #1 Penstock Flow, ( )E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( )C3 = E3+F3						
15) Yucaipa Pipeline, ( )K3 = I3 + J3						
16) SBVWCD Spreading, ( )O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.15.2009	
					Time: 0630	
<b>State Water Project</b>						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BBMWD In-lieu	27.4	(+H) EVWCD Treatment Plant	0.0	(+P) SARC West	0.0	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	11.0	(+Q) Zanja	0.0	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	6.8	(+R) Tate Treatment Plant	6.0	6.0
(+D) Purchased Water	11.0	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	1.1	1.1
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	13.5	(+T) Newport for BVMWC	0.0	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0	0.0
( ) G Total SWP Inflows	38.4	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	38.4	38.4
<b>Santa Ana River</b>			<b>SOD Reservoir Elevation</b>	NA	<b>Debris Pool Elevation</b>	2200.00
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A1) PH #3 Penstock (CALC)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0	0.0
(+B1) BVMWC Highline	5.7	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	2.9	2.9
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	2.8	2.8
(+D1) BVMWC River PU (USGS)	7.4	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.7	5.7
(+F1) Greenspot Spill	4.8	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.7	5.7
( ) G1 Total SAR Inflows	13.1	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	0.0
H1 SBVWCD Diversion	0.0	( ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0	0.0
I1 Redlands Tunnel	0.2	(+V1) PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0	0.0
J1 Big Bear Lake Release	1.0	W1 Redlands Aqueduct Weir	7.6	(+K2) Northfork Parshall Flume	0.0	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	( ) I2 Tailrace Pipeline	0.0	0.0
L1 SCE SAR AVM (SCADA)	10.5	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	0.0
Z1 Seven Oaks Dam Release	2.6	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	0.0
				( ) N2 Total SAR Deliveries	13.1	13.1
<b>Mill Creek</b>						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	5.7	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	10.9	10.9
(+B3) M/C #3 Penstock	9.1	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0	0.0
( ) D3 Total MC Inflows	14.8	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	3.9	3.9
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	14.8	14.8
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	14.8	14.8
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	3.0	3.0
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0	0.0
				I3 Mentone Reser. Level (23.0)	20.8	20.8
				Y3 Crafton Reser. Level (21.3)	16.6	16.6
<b>SBVWCD Recharge</b>						
Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4		I4	8,456	10,000
B4 Santa Ana River	SWP	F4	22	J4	494	
C4 Mill Creek	MC	G4		K4	4,450	8,000
D4 Mill Creek	SWP	H4		L4	555	
<b>Comments:</b>						
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F						
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2						
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)						
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+H2+L2						
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( ) E3 = T3						
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3						
15) Yucaipa Pipeline, ( ) K3 = I3 + J3						
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.14.2009	
					Time: 0640	
State Water Project						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BBMWD In-lieu	30.3	(+H) EVWCD Treatment Plant	0.0	(+P) SARC West	0.0	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	11.0	(+Q) Zanja	0.0	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	8.8	(+R) Tate Treatment Plant	6.0	6.0
(+D) Purchased Water	11.0	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	1.2	1.2
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	13.4	(+T) Newport for BVMWC	0.9	0.9
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0	0.0
( ) G Total SWP Inflows	41.3	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	41.3	41.3
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)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0	0.0
(+B1) BVMWC Highline	5.6	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	2.8	2.8
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	2.8	2.8
(+D1) BVMWC River PU (USGS)	6.4	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.6	5.6
(+F1) Greenspot Spill	3.3	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.6	5.6
( ) G1 Total SAR Inflows	12.0	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	0.0
H1 SBVWCD Diversion	0.0	( ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.9	0.9
I1 Redlands Tunnel	0.2	(+V1) PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0	0.0
J1 Big Bear Lake Release	1.0	W1 Redlands Aqueduct Weir	5.7	(+K2) Northfork Parshall Flume	0.0	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	( ) I2 Tailrace Pipeline	0.9	0.9
L1 SCE SAR AVM (SCADA)	9.1	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	0.0
Z1 Seven Oaks Dam Release	3.1	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	0.0
				( ) N2 Total SAR Deliveries	12.0	12.0
Mill Creek						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	5.6	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	10.6	10.6
(+B3) M/C #3 Penstock	8.3	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0	0.0
( ) D3 Total MC Inflows	13.9	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	3.3	3.3
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.9	13.9
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	13.9	13.9
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	2.6	2.6
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0	0.0
		I3 Mentone Reser. Level (23.0)	20.1	Y3 Crafton Reser. Level (21.3)	15.5	15.5
SBVWCD Recharge						
Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4		I4	8,456	10,000
B4 Santa Ana River	SWP	F4	65	J4	472	
C4 Mill Creek	MC	G4		K4	4,450	8,000
D4 Mill Creek	SWP	H4		L4	555	
Comments:						
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F						
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2						
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)						
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+H2+L2						
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( ) E3 = T3						
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3						
15) Yucaipa Pipeline, ( ) K3 = I3 + J3						
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

Santa Ana River-Mill Creek Cooperative Water Project						
					Daily Flow Report	
					Date: 9.11.09	
					Time:1045	
State Water Project						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BBMWD In-lieu	28.9	(+H) EVWVD Treatment Plant	0.0	(+P) SARC West	0.0	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	11.1	(+Q) Zanja	0.0	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	8.1	(+R) Tate Treatment Plant	6.0	6.0
(+D) Purchased Water	11.1	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	1.3	1.3
(+E) Redlands Aqueduct Leakage	0.0	(+L) Redlands Aqueduct	13.5	(+T) Newport for BVMWC	0.0	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0	0.0
( ) G Total SWP Inflows	40.0	(+N) BVMWC Boulliou Box	0.0	( ) V Total SWP Deliveries	40.0	40.0
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)	0.0	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0	0.0
(+B1) BVMWC Highline	5.9	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	2.0	2.0
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	3.9	3.9
(+D1) BVMWC River PU (USGS)	3.1	(+P1) SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.9	5.9
(-D1a) If BV p/u gated, divert to SAR= "Y"		(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	0.0
(+E1) Main River Gage (USGS)	0.0	(+R1) BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	0.0
(+F1) Greenspot Spill	3.2	(+S1) Crafton WC Boulliou	0.0	( ) B1 BVMWC Highline	5.9	5.9
( ) G1 Total SAR Inflows	12.2	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	0.0
H1 SBVWCD Diversion	0.0	( ) C1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0	0.0
I1 Redlands Tunnel	0.2	(-V1) PH #3 Afterbay Spill Loss to SAR	3.1	( ) I2 Tailrace Pipeline	0.9	0.9
J1 Big Bear Lake Release	1.0	W1 Redlands Aqueduct Weir	5.6	(+J2) Tailrace Valve	0.0	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(+K2) Northfork Parshall Flume	0.0	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	0.0
Z1 Seven Oaks Dam Release	3.1	(+Z2) Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	0.0
				( ) N2 Total SAR Deliveries	12.2	12.2
Mill Creek						
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	5.2	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	10.8	10.8
(+B3) M/C #3 Penstock	8.9	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	( ) K3 Yucaipa Pipeline	0.0	(+R3) Boulliou to BVMWC Highline	0.0	0.0
( ) D3 Total MC Inflows	14.1	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	3.3	3.3
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	14.1	14.1
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	14.1	14.1
G3 Observation at Garnet Bridge	0.0	( ) O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	4.2	4.2
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0	0.0
		I3 Mentone Reser. Level (23.0)	19.6	Y3 Crafton Reser. Level (21.3)	16.4	16.4
SBVWCD Recharge						
Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4		I4	8,456	10,000
B4 Santa Ana River	SWP	F4	21	J4	407	
C4 Mill Creek	MC	G4		K4	4,450	8,000
D4 Mill Creek	SWP	H4		L4	555	
Comments:						
1) Source = SCADAVIEW				a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F						
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U						
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a						
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2						
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2						
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1+F1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay						
8) Total SAR Inflows, ( ) G1 = A1+B1+C1+E1+F1, if BVMWD River Pickup gated closed ("Y" for "yes") water is bypassed to SAR						
9) Greenspot Pipeline, ( ) U1 = M1 = N1+O1+P1+Q1+R1+S1+T1						
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+H2+L2						
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3						
12) M/C #1 Penstock Flow, ( ) E3 = T3						
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3						
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3						
15) Yucaipa Pipeline, ( ) K3 = I3 + J3						
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3						
17) Seven Oaks Dam Release = Z1 = D1 - F1						

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-10-09  
Time: 0625

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	28.6	EVWD Treatment Plant	0.0	BVMWC Boullioun Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	7.9	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	6.0
Construction In-lieu	0.0	Redlands Aqueduct	13.4	SBCFCD Grove	1.3
Recharge Project	0.0	Crafton Unger Lane	0.0	Newport for BVMWC	0.0
<b>Total SWP Inflows</b>	<b>39.0</b>	<b>Total SWP Deliveries</b>	<b>39.0</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.8
BVMWC Highline	5.8	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boullioun Box Weir	5.8
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	0.6
Greenspot Spill	2.3	SBVWCD Mill Creek Spreading	0.0	Boullioun Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boullioun	0.0	Tailrace Pipeline	0.9
Redlands Tunnel	0.2	Crafton WC Boullioun	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.24	Tate Pump Station to Zanja	0.0	Edwards Canal	0.9
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	8.0	Redlands Aqueduct Weir	4.7	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>11.2</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<sup>1)</sup> 11.2

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	13.7	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	13.7
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	9.1
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	5.3	SBVWCD Spreading	0.0	Boullioun to BVMWC Highline	0.0
M/C #3 Penstock	8.4	East Weir (MC)	0.0	East Weir to Zanja	4.6
Observation at Garnet Bridge	0.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	4.2
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>13.7</b>			<b>Total MC Deliveries</b>	<sup>2)</sup> 13.7
Mentone Reser. Level (23.0)	19.5			Crafton Reser. Level (21.3)	16.7

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)	Target
Santa Ana River	SAR	0		8,456	10,000
Santa Ana River	SWP	21		386	
Mill Creek	MC	0		4,450	8,000
Mill Creek	SWP			555	

### Comments:

- 1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel
- 2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat
  - a) Per fish release.
 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.
- 3) Added purchased water for SBVWCD

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

**State Water Project**

Date: 09-09-09  
Time: 0630

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
BBMWD In-lieu	27.5	EVWD Treatment Plant	0.0	BVMWC Boullioun Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	6.8	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	6.0
Construction In-lieu	0.0	Redlands Aqueduct	13.4	SBCFCD Grove	1.3
Recharge Project	0.0	Crafton Unger Lane	0.0	Newport for BVMWC	0.0
<b>Total SWP Inflows</b>	<b>37.9</b>	<b>Total SWP Deliveries</b>	<b>37.9</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

**Santa Ana River**

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.7
BVMWC Highline	5.7	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boullioun Box Weir	5.7
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	1.8
Greenspot Spill	3.1	SBVWCD Mill Creek Spreading	0.0	Boullioun Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boullioun	0.0	Tailrace Pipeline	0.0
Redlands Tunnel	0.2	Crafton WC Boullioun	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.24	Tate Pump Station to Zanja	0.0	Edwards Canal	0.0
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	8.6	Redlands Aqueduct Weir	6.4	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>11.9</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
		Redlands Sandbox Spill	0.0	Cuttle Weir	0.0
				<b>Total SAR Deliveries</b>	<b><sup>1)</sup> 11.9</b>

**Mill Creek**

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	14.2	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	14.2
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	10.0
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	5.3	SBVWCD Spreading	0.0	Boullioun to BVMWC Highline	0.0
M/C #3 Penstock	8.9	East Weir (MC)	0.0	East Weir to Zanja	4.2
Observation at Garnet Bridge	0.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	2.8
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>14.2</b>			<b>Total MC Deliveries</b>	<b><sup>2)</sup> 14.2</b>
Mentone Reser. Level (23.0)	19.7			Crafton Reser. Level (21.3)	19.5

**SBVWCD Recharge**

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
Santa Ana River	SAR	0	8,456	10,000
Santa Ana River	SWP	21	365	
Mill Creek	MC	0	4,450	8,000
Mill Creek	SWP		555	

**Comments:**

1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel

2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat

a) Per fish release.

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.

3) Added purchased water for SBVWCD

Santa Ana River-Mill Creek Cooperative Water Project								
						Daily Flow Report		
						Date: 9.24.2009		
						Time: 0630		
<b>State Water Project</b>								
	<b>Inflows</b>	<b>Flow Rate (cfs)</b>		<b>Deliveries</b>	<b>Flow Rate (cfs)</b>	<b>Deliveries (continued)</b>	<b>Flow Rate (cfs)</b>	
(+A)	BBMWD In-lieu	26.6	(+H)	EVWWD Treatment Plant	0.0	(+P) <sup>1</sup> SARC West	0.0	
(+B)	Muni test @ Greenspot Sta.	0.0	(+I)	<sup>1</sup> Santa Ana Low Turnout	19.8	(+Q) <sup>1</sup> Zanja	0.0	
(+C)	Exchange Water	0.0	(+J)	<sup>1</sup> Northfork Canal	6.8	(+R) <sup>1</sup> Tate Treatment Plant	3.5	
(+D)	Purchased Water	19.8	(+K)	<sup>1</sup> Edwards Canal	0.0	(+S) <sup>1</sup> SBCFCD Grove	0.7	
(+E)	Redlands Aqueduct Leakage	0.0	(+L)	<sup>1</sup> Redlands Aqueduct	8.0	(+T) <sup>1</sup> Newport for BVMWC	0.6	
(+F)	Recharge Project	0.0	(+M)	Crafton Unger Lane	7.0	(+U) <sup>1</sup> M/C spreading @ ZT	0.0	
( ) G	<b>Total SWP Inflows</b>	<b>46.4</b>	(+N)	BVMWC Boulliou Box	0.0	( ) V <b>Total SWP Deliveries</b>	<b>46.4</b>	
<b>Santa Ana River</b>								
				<b>SOD Reservoir Elevation</b>	NA		<b>Debris Pool Elevation</b>	2200.00
	<b>Inflows</b>	<b>Flow Rate (cfs)</b>		<b>Deliveries</b>	<b>Flow Rate (cfs)</b>	<b>Deliveries</b>	<b>Flow Rate (cfs)</b>	
(+A1)	PH #3 Penstock (CALC)	0.0	(+M1)	SBCFCD Grove	0.0	(+A2) Newport	0.0	
(+B1)	BVMWC Highline	5.2	(+N1)	BVMWC Highline	0.0	(+B2) <i>Gay Overflow</i>	0.0	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2) <i>Irrigation</i>	5.2	
(+D1)	BVMWC River PU (USGS)	5.8	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+D2) Boulliou Box Weir	5.2	
(+F1)	Greenspot Spill	3.2	(+Q1)	Crafton WC Unger Lane	0.0	(+E2) Boulliou Box to Zanja	0.0	
(-D1a)	If BV p/u gated, divert to SAR= "Y"		(+R1)	BVMWC Highline to Boulliou	0.0	(+F2) SBVWCD Mill Creek Spread	0.0	
(+E1)	Main River Gage (USGS)	0.0	(+S1)	Crafton WC Boulliou	0.0	( ) B1 <b>BVMWC Highline</b>	5.2	
( ) G1	<b>Total SAR Inflows</b>	<b>11.0</b>	(+T1)	Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0	
H1	SBVWCD Diversion	0.0	( ) U1	Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0	
I1	Redlands Tunnel	0.2	(+V1)	PH #3 Afterbay Spill Loss to SAR	0.0	(+J2) Tailrace Valve	0.0	
J1	"Big Bear Lake Release	1.33	W1	Redlands Aqueduct Weir	6.0	(+K2) Northfork Parshall Flume	0.0	
K1	PH#3 Penstock (SCADA)	0.0	X1	SBVWCD Mill Creek Spreading	0.0	( ) I2 <b>Tailrace Pipeline</b>	0.0	
L1	SCE SAR AVM (SCADA)	7.7	Y1	Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	0.0	
Z1	Seven Oaks Dam Release	2.6	(+Z2)	Cuttle Weir To River	0.0	( ) C1 Greenspot Pipeline	0.0	
						( ) N2 <sup>1</sup> <b>Total SAR Deliveries</b>	<b>11.0</b>	
<b>Mill Creek</b>								
	<b>Inflows</b>	<b>Flow Rate (cfs)</b>		<b>Deliveries</b>	<b>Flow Rate (cfs)</b>	<b>Deliveries</b>	<b>Flow Rate (cfs)</b>	
(+A3)	RPU Flow	5.3	(+I3)	Yucaipa Regional Park	0.0	(+P3) Tate Inflow	9.5	
(+B3)	M/C #3 Penstock	8.2	(+J3)	Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0	
(+C3)	SBVWCD Mill Creek Diversion	0.0	( ) K3	<b>Yucaipa Pipeline</b>	0.0	(+R3) Boulliou to BVMWC Highline	0.0	
( ) D3	<b>Total MC Inflows</b>	<b>13.5</b>	(+L3)	East Weir (MC)	0.0	(+S3) East Weir to Zanja	4.0	
E3	M/C #1 Penstock Flow	0.0	(+M3)	BVHL (SAR)	0.0	( ) T3 Mill Creek #1 Flow (Cooley Hat)	13.5	
F3	Stream Parshall Flume to Yucaipa	0.0	(+N3)	Mill Creek Diversion (MC)	0.0	U3 <b>Total MC Deliveries</b>	13.5	
G3	Observation at Garnet Bridge	0.0	( ) O3	<b>SBVWCD Spreading</b>	0.0	V3 Zanja West Weir to CWC Canal	8.9	
H3						W3 Mill Creek PH #2.3 Afterbay Spill	0.0	
			I3	Mentone Reser. Level (23.0)	21.0	Y3 Crafton Reser. Level (21.3)	14.9	
<b>SBVWCD Recharge</b>								
	<b>Location</b>	<b>Type</b>		<b>Previous Day (AF)</b>		<b>WY To Date (AF)</b>	<b>Target</b>	
A4	Santa Ana River	SAR	E4		I4	8,456	10,000	
B4	Santa Ana River	SWP	F4	39	J4	848		
C4	Mill Creek	MC	G4		K4	4,450	8,000	
D4	Mill Creek	SWP	H4		L4	555		
<b>Comments:</b>								
1) Source = SCADAVIEW						a) Per fish release from Big Bear Lake.		
2) State Water Inflows, ( ) G = A+B+C+D+E+F								
3) State Water Deliveries, ( ) V = H+I+J+K+L+M+N+P+Q+R+S+T+U								
4) PH#3 Penstock (Calc), ( ) A1=V1+G2+H2+W1+Y1+E1-I1-D1a								
5) Bear Valley Highline, ( ) B1 = A2+D2+E2+F2								
6) Total SAR Inflows = SAR Deliveries, ( ) G1 = ( ) N2								
7) Total SAR Inflows, ( ) G1 = A1+B1+C1+D1+E1, if BVMWD River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)								
8) Total SAR Inflows, ( ) 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, ( ) U1 = M1 +N1+O1+P1+Q1+R1+S1+T1								
10) Total SAR Deliveries, ( ) N2 = U1+V1+W1+D1-I1+B1+I2+L2								
11) Total Mill Creek Inflows, ( ) D3 = A3+B3+C3								
12) M/C #1 Penstock Flow, ( ) E3 = T3								
13) M/C #1 Penstock Flow, ( ) E3 = A3 + B3								
14) SBVWCD Mill Cr Diversion ( ) C3 = E3+F3								
15) Yucaipa Pipeline, ( ) K3 = I3 + J3								
16) SBVWCD Spreading, ( ) O3 = N3 + M3 + L3								
17) Seven Oaks Dam Release = Z1 = D1 - F1								

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-08-09  
Time: 0630

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	27.7	EVWD Treatment Plant	0.0	BVMWC Boulliou Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	6.8	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	6.0
Construction In-lieu	0.0	Redlands Aqueduct	13.6	SBCFCD Grove	1.3
Recharge Project	0.0	Crafton Unger Lane	0.0	Newport for BVMWC	0.0
<b>Total SWP Inflows</b>	<b>38.1</b>	<b>Total SWP Deliveries</b>	<b>38.1</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.7
BVMWC Highline	5.7	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boulliou Box Weir	5.7
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	3.3
Greenspot Spill	2.9	SBVWCD Mill Creek Spreading	0.0	Boulliou Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boulliou	0.0	Tailrace Pipeline	0.0
Redlands Tunnel	0.2	Crafton WC Boulliou	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.24	Tate Pump Station to Zanja	0.0	Edwards Canal	0.0
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	8.4	Redlands Aqueduct Weir	6.2	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>11.7</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<sup>1)</sup> 11.7

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	8.6	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	8.6
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	6.3
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	0.0	SBVWCD Spreading	0.0	Boulliou to BVMWC Highline	0.0
M/C #3 Penstock	8.6	East Weir (MC)	0.0	East Weir to Zanja	2.3
Observation at Garnet Bridge	4.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	1.5
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>8.6</b>			<b>Total MC Deliveries</b>	<sup>2)</sup> 8.6
Mentone Reser. Level (23.0)	<b>20.0</b>			Crafton Reser. Level (21.3)	<b>20.4</b>

### SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
Santa Ana River	SAR	0	8,456	10,000
Santa Ana River	SWP	82	344	
Mill Creek	MC	0	4,450	8,000
Mill Creek	SWP		555	

### Comments:

- 1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel
- 2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat
- a) Per fish release.
- 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.
- 3) Added purchased water for SBVWCD

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-04-09  
Time: 0600

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	39.6	EVWD Treatment Plant	0.0	BVMWC Boullioun Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	6.9	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	9.0
Construction In-lieu	0.0	Redlands Aqueduct	13.5	SBCFCD Grove	1.3
Recharge Project	0.0	Crafton Unger Lane	8.3	Newport for BVMWC	0.6
<b>Total SWP Inflows</b>	<b>50.0</b>	<b>Total SWP Deliveries</b>	<b>50.0</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.3
BVMWC Highline	5.3	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boullioun Box Weir	5.3
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	2.2
Greenspot Spill	2.5	SBVWCD Mill Creek Spreading	0.0	Boullioun Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boullioun	0.0	Tailrace Pipeline	0.9
Redlands Tunnel	0.2	Crafton WC Boullioun	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.24	Tate Pump Station to Zanja	0.0	Edwards Canal	0.9
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	7.8	Redlands Aqueduct Weir	4.9	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>10.9</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<sup>1)</sup> 10.9

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	0.9	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	0.9
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	0.0
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	0.0	SBVWCD Spreading	0.0	Boullioun to BVMWC Highline	0.0
M/C #3 Penstock	0.9	East Weir (MC)	0.0	East Weir to Zanja	0.9
Observation at Garnet Bridge	10.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	6.9
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>0.9</b>	<b>Total MC Deliveries</b>			<sup>2)</sup> 0.9
Mentone Reser. Level (23.0)	21.9	Crafton Reser. Level (21.3)			18.7

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)	Target
Santa Ana River	SAR	0		8,456	10,000
Santa Ana River	SWP	21		262	
Mill Creek	MC	0		4,450	8,000
Mill Creek	SWP			555	

### Comments:

- 1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel
- 2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat
  - a) Per fish release.
 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.
- 3) Added purchased water for SBVWCD

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-03-09  
Time: 0635

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	40.3	EVWD Treatment Plant	0.0	BVMWC Boulliou Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.5	SARC West	0.0
Exchange Water	0.0	Northfork Canal	7.0	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.5	Edwards Canal	0.0	Tate Treatment Plant	9.0
Construction In-lieu	0.0	Redlands Aqueduct	13.6	SBCFCD Grove	1.4
Recharge Project	0.0	Crafton Unger Lane	8.4	Newport for BVMWC	0.9
<b>Total SWP Inflows</b>	<b>50.8</b>	<b>Total SWP Deliveries</b>	<b>50.8</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.4
BVMWC Highline	5.4	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boulliou Box Weir	5.4
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	1.7
Greenspot Spill	3.0	SBVWCD Mill Creek Spreading	0.0	Boulliou Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boulliou	0.0	Tailrace Pipeline	0.9
Redlands Tunnel	0.2	Crafton WC Boulliou	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.25	Tate Pump Station to Zanja	0.0	Edwards Canal	0.9
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	8.9	Redlands Aqueduct Weir	5.4	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>11.5</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<sup>1)</sup> 11.5

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	1.0	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	1.0
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	0.0
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	0.0	SBVWCD Spreading	0.0	Boulliou to BVMWC Highline	0.0
M/C #3 Penstock	1.0	East Weir (MC)	0.0	East Weir to Zanja	1.0
Observation at Garnet Bridge	10.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	6.7
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>1.0</b>			<b>Total MC Deliveries</b>	<sup>2)</sup> 1.0
Mentone Reser. Level (23.0)	<b>22.2</b>			Crafton Reser. Level (21.3)	<b>17.7</b>

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)	Target
Santa Ana River	SAR	0		8,456	10,000
Santa Ana River	SWP	21		241	
Mill Creek	MC	0		4,450	8,000
Mill Creek	SWP			555	

### Comments:

- 1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel
- 2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat
  - a) Per fish release.
 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.
- 3) Added purchased water for SBVWCD

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-02-09

Time: 0635

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	30.4	EVWD Treatment Plant	0.0	BVMWC Boullioun Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	6.6	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	3.0
Construction In-lieu	0.0	Redlands Aqueduct	13.5	SBCFCD Grove	1.4
Recharge Project	0.0	Crafton Unger Lane	5.0	Newport for BVMWC	0.9
<b>Total SWP Inflows</b>	<b>40.8</b>	<b>Total SWP Deliveries</b>	<b>40.8</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.4
BVMWC Highline	5.4	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boullioun Box Weir	5.4
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	1.8
Greenspot Spill	2.9	SBVWCD Mill Creek Spreading	0.0	Boullioun Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boullioun	0.0	Tailrace Pipeline	0.9
Redlands Tunnel	0.2	Crafton WC Boullioun	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.14	Tate Pump Station to Zanja	0.0	Edwards Canal	0.9
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	8.8	Redlands Aqueduct Weir	5.3	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>11.4</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<sup>1)</sup> 11.4

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	10.3	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	10.3
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	8.9
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	1.8	SBVWCD Spreading	0.0	Boullioun to BVMWC Highline	0.0
M/C #3 Penstock	8.5	East Weir (MC)	0.0	East Weir to Zanja	1.4
Observation at Garnet Bridge	2.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	4.6
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>10.3</b>			<b>Total MC Deliveries</b>	<sup>2)</sup> 10.3
Mentone Reser. Level (23.0)	20.3			Crafton Reser. Level (21.3)	16.3

### SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)	Target
Santa Ana River	SAR	0		8,456	10,000
Santa Ana River	SWP	21		220	
Mill Creek	MC	0		4,450	8,000
Mill Creek	SWP			555	

### Comments:

- 1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel
- 2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat
  - a) Per fish release.
- 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.
- 3) Added purchased water for SBVWCD

# Santa Ana River - Mill Creek Cooperative Water Project

## Daily Flow Report

### State Water Project

Date: 09-01-09  
Time: 0645

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
BBMWD In-lieu	29.9	EVWD Treatment Plant	0.0	BVMWC Boulliou Box	0.0
Muni test @ Greenspot Sta.	0.0	Santa Ana Low Turnout	10.4	SARC West	0.0
Exchange Water	0.0	Northfork Canal	6.3	Zanja	0.0
Purchased Water	<sup>3)</sup> 10.4	Edwards Canal	0.0	Tate Treatment Plant	3.0
Construction In-lieu	0.0	Redlands Aqueduct	13.6	SBCFCD Grove	0.0
Recharge Project	0.0	Crafton Unger Lane	7.0	Newport for BVMWC	0.0
<b>Total SWP Inflows</b>	<b>40.3</b>	<b>Total SWP Deliveries</b>	<b>40.3</b>	M/C spreading @ ZT	0.0
				<b>SOD Reservoir Elevation</b>	<b>NA</b>
				<b>Debris Pool Elevation</b>	<b>2200.00</b>

### Santa Ana River

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
PH #3 Penstock (CALC)	0.0	Greenspot Pipeline	0.0	BVMWC Highline	5.0
BVMWC Highline	5.0	SBCFCD Grove	0.0	Newport	0.0
Greenspot Pipeline	0.0	BVMWC Highline	0.0	Boulliou Box Weir	5.0
BVMWC River PU (USGS)	3.1	Newport for BVMWC	0.0	Gay Overflow	3.0
Greenspot Spill	1.8	SBVWCD Mill Creek Spreading	0.0	Boulliou Box to Zanja	0.0
Main River Gage (USGS)	0.0	Crafton WC Unger Lane	0.0	SBVWCD Mill Creek Spread	0.0
SBVWCD Diversion	0.0	BVMWC Highline to Boulliou	0.0	Tailrace Pipeline	0.0
Redlands Tunnel	0.2	Crafton WC Boulliou	0.0	Northfork Canal Weir	0.0
Big Bear Lake Release	<sup>a)</sup> 1.23	Tate Pump Station to Zanja	0.0	Edwards Canal	0.0
PH#3 Penstock (SCADA)	0.0	SAR PH #3 Afterbay Spill	0.0	Tailrace Valve	0.0
SCE SAR AVM (SCADA)	7.0	Redlands Aqueduct Weir	5.1	Northfork Parshall Flume	0.0
<b>Total SAR Inflows</b>	<b>9.9</b>	SBVWCD Mill Creek Spreading	0.0	SBVWCD Parshall Flume	0.0
				Redlands Sandbox Spill	0.0
				<b>Total SAR Deliveries</b>	<b><sup>1)</sup> 9.9</b>

### Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
M/C #1 Penstock Flow	10.4	Yucaipa Pipeline	0.0	Mill Creek #1 Flow (Cooley Hat)	10.4
Stream Parshall Flume to Yucaipa	0.0	Yucaipa Regional Park	0.0	Tate Inflow	5.3
SBVWCD Mill Creek Diversion	0.0	Wilson Creek Spreading	0.0	East Weir to Mill Creek	0.0
RPU Flow	1.4	SBVWCD Spreading	0.0	Boulliou to BVMWC Highline	0.0
M/C #3 Penstock	8.9	East Weir (MC)	0.0	East Weir to Zanja	5.1
Observation at Garnet Bridge	2.0	BVHL (SAR)	0.0	Zanja West Weir to CWC Canal	8.1
		Mill Creek Diversion (MC)	0.0	Mill Creek PH #2,3 Afterbay Spill	0.0
<b>Total MC Inflows</b>	<b>10.4</b>			<b>Total MC Deliveries</b>	<b><sup>2)</sup> 10.4</b>
Mentone Reser. Level (23.0)	20.6			Crafton Reser. Level (21.3)	16.0

### SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
Santa Ana River	SAR	0	8,456	10,000
Santa Ana River	SWP	24	199	
Mill Creek	MC	0	4,450	8,000
Mill Creek	SWP		555	

### Comments:

1) Total SAR Deliveries = Greenspot Pipeline + BVMWC Highline + North Fork Canal Weir + Edwards Canal + SBVWCD PF + Cuttle Weir + Redlands Aqueduct Weir + Redlands Aqueduct to Spreading + SAR PH#3 Afterbay Spill - Redlands Tunnel

2) Total MC Deliveries = Yucaipa Pipeline + Mill Creek Diversion + Cooley Hat

a) Per fish release.

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.

3) Added purchased water for SBVWCD