

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/4/2010
Time: 8:20

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	3.0	(+)H	EVWD Treatment Plant	0.0	(+)P	SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	Santa Ana Low Turnout	0.0	(+)Q	Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	Northfork Canal	0.0	(+)R	Tate Treatment Plant	3.0
(+)D	Purchased Water	0.0	(+)K	Edwards Canal	0.0	(+)S	SBCFCD Grove	0.0
(+)E	Redlands Aqueduct Leakage	0.8	(+)L	Redlands Aqueduct	0.8	(+)T	Newport for BVMWC	0.0
(+)F	Recharge Project	0.0	(+)M	Crafton Unger Lane	0.0	(+)U	M/C spreading @ ZT	0.0
(Σ)G	Total SWP Inflows	3.8	(+)N	BVMWC Boullouin Box	0.0	(Σ)V	Total SWP Deliveries	3.8

Santa Ana River

SOD Reservoir Elevation 2178.20

Debris Pool Elevation 2200.00

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	18.3	(+)M1	SBCFCD Grove	0.0	(+)A2	Newport	0.0
(+)B1	BVMWC Highline	1.0	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow	0.0
(+)C1	Greenspot Pipeline	0.0	(+)D1	Newport for BVMWC	0.0	(+)C2	Irrigation	0.0
(+)D1	BVMWC River PU (USGS)	3.9	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)E)D2	Boullouin Box Weir	0.0
(+)F1	Greenspot Spill	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+)E2	Boullouin Box to Zanja	0.0
(-)D1a	If BV p/u gated, divert to SAR= "Y"	Y	(+)R1	BVMWC Highline to Boullouin	0.0	(+)F2	SBVWCD Mill Creek Spread	1.0
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullouin	0.0	(E) B1	BVMWC Highline	1.0
(Σ)G1	Total SAR Inflows	23.2	(+)T1	Tate Pump Station to Zanja	0.0	(+)G2	Northfork Canal Weir	6.2
H1	SBVWCD Dverson	0.0	(Σ)U1	Greenspot Pipeline	0.0	(+)H2	Edwards Canal	0.0
I1	Redlands Tunnel	1.4	(+)V1	PH #3 Afterbay Spill Loss to SAR	3.9	(+)J2	Tailrace Valve	6.6
J1 ^{a)}	Big Bear Lake Release	1.23	W1	Redlands Aqueduct Weir	6.9	(+)K2	Northfork Parshall Flume	0.0
K1	PH#3 Penstock (SCADA)	16.9	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	12.8
L1	SCE SAR AVM (SCADA)	21.1	Y1	Redlands Sandbox Spill	0.0	(+)L2	SBVWCD Parshall Flume To Basins	6.6
Z1	Seven Oaks Dam Release	3.9	(+)Z2	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0
			(Σ)N2	Total SAR Deliveries	23.2			

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A3	RPU Flow	0.0	(+)J3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	3.2
(-)B3	M/C #3 Penstock	5.3	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+)C3	SBVWCD Mill Creek Dverson	2.0	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullouin to BVMWC Highline	0.0
(Σ)D3	Total MC Inflows	7.3	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	2.1
E3	M/C #1 Penstock Flow	5.3	(+)M3	BVHL (SAR)	1.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	5.3
F3	Stream Parshall Flume to Yucaipa	0.0	(+)N3	Mill Creek Dverson (MC)	2.0	U3	Total MC Deliveries	7.3
G3	Observation at Garnet Bridge	0.0	(Σ)O3	SBVWCD Spreading	3.0	V3	Zanja West Weir to CWC Canal	1.1
H3						W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			I3	Mentona Reser. Level (23.0)	20.6	Y3	Crafton Reser. Level (21.3)	20.8

SBVWCD Recharge

	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	13	I4	462	10,000
B4	Santa Ana River	SWP	F4		J4	1,115	1,000
C4	Mill Creek	MC	G4	3	K4	213	8,000
D4	Mill Creek	SWP	H4		L4	831	1,000
	SBVMWD	SWP					
	WMWD	SWP					

Comments:

- Source = SCADAVIEW 18) Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- State Water Inflows, (Σ)G = A+B+C+D+E+F 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-Z1) SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2 22) PH#3 PENSTOCK (Calc)
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBVWCD (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3 a) Per fish release from Big Bear Lake.
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/5/2010
Time: 8:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	2.8	(+)H	EVWD Treatment Plant	0.0	(+)P	SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	Santa Ana Low Turnout	0.0	(+)Q	Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	Northfork Canal	0.0	(+)R	Tate Treatment Plant	2.8
(+)D	Purchased Water	0.0	(+)K	Edwards Canal	0.0	(+)S	SBCFCD Grove	0.0
(+)E	Redlands Aqueduct Leakage	0.7	(+)L	Redlands Aqueduct	0.7	(+)T	Newport for BVMWC	0.0
(+)F	Recharge Project	0.0	(+)M	Crafton Unger Lane	0.0	(+)U	M/C spreading @ ZT	0.0
(Σ)G	Total SWP Inflows	3.5	(+)N	BVMWC Boullouin Box	0.0	(Σ)V	Total SWP Deliveries	3.5

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)	16.1	(+)M1	SBCFCD Grove	0.0	(+)A2	Newport	0.0
(+)B1	BVMWC Highline	1.1	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow	0.0
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation	0.0
(+)D1	BVMWC River PU (USGS)	4.6	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullouin Box Weir	0.0
(+)F1	Greenspot Spill	0.7	(+)Q1	Crafton WC Unger Lane	0.0	(+)E2	Boullouin Box to Zanja	0.0
(-)D1a	If BV p/u gated, divert to SAR= "Y"	Y	(+)R1	BVMWC Highline to Boullouin	0.0	(+)F2	SBVWCD Mill Creek Spread	1.1
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullouin	0.0	(Σ)B1	BVMWC Highline	1.1
(Σ)G1	Total SAR Inflows	21.8	(+)T1	Tate Pump Station to Zanja	0.0	(+)G2	Northfork Canal Weir	6.1
H1	SBVWCD Diversion	0.0	(Σ)U1	Greenspot Pipeline	0.0	(+)H2	Edwards Canal	0.0
I1	Redlands Tunnel	1.4	(+)V1	PH #3 Afterbay Spill Loss to SAR	4.6	(+)J2	Tailrace Valve	6.6
J1	Big Bear Lake Release	1.23	W1	Redlands Aqueduct Weir	4.8	(+)K2	Northfork Parshall Flume	0.0
K1	PH#3 Penstock (SCADA)	16.6	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	12.7
L1	SCE SAR AVM (SCADA)	2.1	Y1	Redlands Sandbox Spill	0.0	(+)L2	SBVWCD Parshall Flume To Basins	6.6
Z1	Seven Oaks Dam Release	3.9	(+)Z2	Cutle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0
			(Σ)N2	Total SAR Deliveries				21.8

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A3	RPU Flow	5.1	(+)J3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	6.7
(+)B3	M/C #3 Penstock	5.9	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+)C3	SBVWCD Mill Creek Diversion	0.0	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullouin to BVMWC Highline	0.0
(Σ)D3	Total MC Inflows	11.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	3.3
E3	M/C #1 Penstock Flow	11.0	(+)M3	BVHL (SAR)	1.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	11.0
F3	Stream Parshall Flume to Yucaipa	0.0	(+)N3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries	11.0
G3	Observation at Garnet Bridge	0.0	(Σ)O3	SBVWCD Spreading	1.0	V3	Zanja West Weir to CWC Canal	2.1
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)	21.3

SBVWCD Recharge

	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	12	I4	479	10,000
B4	Santa Ana River	SWP	F4		J4	1,115	1,000
C4	Mill Creek	MC	G4	2	K4	215	8,000
D4	Mill Creek	SWP	H4		L4	831	1,000
	SBVMWD	SWP					
	WMWD	SWP					

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1; Z1)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1 + N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBV (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/8/2010
Time: 9:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BBMWD In-lieu	2.8	(+)H EVWD Treatment Plant	0.0	(+)P SARC West	0.0
(+)B Muni test @ Greenspot Sta.	0.0	(+)I Santa Ana Low Turnout	0.0	(+)Q Zanja	0.0
(+)C Exchange Water	0.0	(+)J Northfork Canal	0.0	(+)R Tate Treatment Plant	2.8
(+)D Purchased Water	0.0	(+)K Edwards Canal	0.0	(+)S SBCFCD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.7	(+)L Redlands Aqueduct	0.7	(+)T Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M Crafton Unger Lane	0.0	(+)U M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	3.5	(+)N BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	3.5

Santa Ana River

SOD Reservoir Elevation 2181.65

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1 PH #3 Penstock (CALC)	19.8	(+)M1 SBCFCD Grove	0.0	(+) A2 Newport	0.0
(+)B1 BVMWC Highline	2.4	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	1.4
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.0
(+)D1 BVMWC River PU (USGS)	0.3	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)ΣD2 Boullion Box Weir	1.4
(+)F1 Greenspot Spill	0.0	(+)Q1 Crafton WC Unger Lane	0.0	(+) E2 Boullion Box to Zanja	0.0
(-)D1a If BV p/u gated, divert to SAR= "Y"	"Y" 0	(+)R1 BVMWC Highline to Boullion	0.0	(+) F2 SBVWCD Mill Creek Spread	1.0
(+)E1 Main River Gage (USGS)	3.1	(+)S1 Crafton WC Boullion	0.0	(Σ) B1 BVMWC Highline	2.4
(Σ)G1 Total SAR Inflows	25.6	(+)T1 Tate Pump Station to Zanja	0.0	(+) G2 Northfork Canal Weir	6.2
H1 SBVWCD Diversion	0.0	(Σ) U1 Greenspot Pipeline	0.0	(+) H2 Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.0	(+) J2 Tailrace Valve	6.3
J1 ^a Big Bear Lake Release	1.23	W1 Redlands Aqueduct Weir	8.7	(+)K2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	17.8	X1 SBVWCD Mill Creek Spreading	0.0	(Σ) I2 Tailrace Pipeline	12.5
L1 SCE SAR AVM (SCADA)	20.7	Y1 Redlands Sandbox Spill	0.0	(+) L2 SBVWCD Parshall Flume To Basins	9.4
Z1 Seven Oaks Dam Release	0.3	(+)Z2 Cuttle Weir To River	0.0	(Σ) C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	25.6

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+) A3 RPU Flow	5.4	(+)J3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	6.8
(+) B3 M/C #3 Penstock	5.1	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(+) C3 SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boullion to BVMWC Highline	0.0
(Σ) D3 Total MC Inflows	10.5	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	3.7
E3 M/C #1 Panstock Flow	10.5	(+)M3 BVHL (SAR)	1.0	(Σ) T3 Mill Creek #1 Flow (Cooley Hat)	10.5
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	10.5
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	1.0	V3 Zanja West Weir to CWC Canal	1.2
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		I3 Mentone Reser. Level (23.0)	19.7	Y3 Crafton Reser. Level (21.3)	21.3

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 15	I4 494	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 217	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADA/IEW
 - State Water Inflows, (Σ)G = A+B+C+D+E+F
 - State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
 - PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
 - Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
 - Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
 - Total SAR Inflows, (Σ)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)
 - 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)
 - Greenspot Pipeline, (Σ)U1 = M1 +N1+O1+P1+Q1+R1+S1+T1
 - Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
 - Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
 - M/C #1 Penstock Flow, (Σ)E3 = T3
 - M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
 - SBV (Σ)C3 = E3+F3
 - Yucaipa Pipeline, (Σ)K3 = J3 + J3
 - SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
 - Seven Oaks Dam Release = Z1 = D1 - F1
 - Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
 - BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
 - Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
 - PH#3 PENSTOCK (Calc)
 - PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/8/2010
Time: 8:10

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+A)	BBMWD In-lieu	2.7	(+H)	EVWD Treatment Plant	0.0	(+P)	SARC West	0.0
(+B)	Muni test @ Greenspot Sta.	0.0	(+I)	Santa Ana Low Turnout	0.0	(+Q)	Zanja	0.0
(+C)	Exchange Water	0.0	(+J)	Northfork Canal	0.0	(+R)	Tate Treatment Plant	2.7
(+D)	Purchased Water	0.0	(+K)	Edwards Canal	0.0	(+S)	SBCFCD Grove	0.0
(+E)	Redlands Aqueduct Leakage	0.7	(+L)	Redlands Aqueduct	0.7	(+T)	Newport for BVMWVC	0.0
(+F)	Recharge Project	0.0	(+M)	Crafton Unger Lane	0.0	(+U)	M/C spreading @ ZT	0.0
(ΣG)	Total SWP Inflows	3.4	(+N)	BVMWVC Boullion Box	0.0	(ΣV)	Total SWP Deliveries	3.4

Santa Ana River

SOD Reservoir Elevation 2181.79

Debris Pool Elevation 2200.00

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+A1)	PH #3 Penstock (CALC)	21.4	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0
(+B1)	BVMWVC Highline	1.0	(+N1)	BVMWVC Highline	0.0	(+B2)	Gay Overflow	1.6
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWVC	0.0	(+C2)	Irrigation	-0.6
(+D1)	BVMWVC River PU (USGS)	0.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+ΣD2)	Boullion Box Weir	1.0
(+F1)	Greenspot Spill	0.0	(+O1)	Crafton WC Unger Lane	0.0	(+E2)	Boullion Box to Zanja	0.0
(-D1a)	If BV p/u gated, divert to SAR = "Y"		(+R1)	BVMWVC Highline to Boullion	0.0	(+F2)	SBVWCD Mill Creek Spread	0.0
(+E1)	Main River Gage (USGS)	3.1	(+S1)	Crafton WC Boullion	0.0	(Σ) B1	BVMWVC Highline	1.0
(ΣG1)	Total SAR Inflows	25.5	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.2
H1	SBVWCD Diversion	3.1	(Σ) U1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	0.0
I1	Redlands Tunnel	1.4	(+V1)	PH #3 Afterbay Spill Loss to SAR	0.0	(+J2)	Tailrace Valve	4.2
J1 ^{a)}	Big Bear Lake Release	0.80	W1	Redlands Aqueduct Weir	11.0	(+K2)	Northfork Parshall Flume	0.0
K1	PH#3 Penstock (SCADA)	16.5	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline	10.4
L1	SCE SAR AVM (SCADA)	19.3	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall Flume To Basins	7.3
Z1	Seven Oaks Dam Release	0.0	(+Z2)	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
						(Σ)N2	Total SAR Deliveries	25.5

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+A3)	RPU Flow	6.1	(+I3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	7.5
(+B3)	M/C #3 Penstock	5.0	(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	0.0
(+C3)	SBVWCD Mill Creek Diversion	0.0	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullion to BVMWVC Highline	1.0
(Σ)D3	Total MC Inflows	11.1	(+L3)	East Weir (MC)	0.0	(+S3)	East Weir to Zanja	2.6
E3	M/C #1 Penstock Flow	11.1	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	11.1
F3	Stream Parshall Flume to Yucaipa	0.0	(+N3)	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries	11.1
G3	Observation at Garnet Bridge	0.0	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal	0.9
H3						W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			13	Mentona Reser. Level (23.0)	20.1	Y3	Crafton Reser. Level (21.3)	21.3

SBVWCD Recharge

	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	15	I4	516	10,000
B4	Santa Ana River	SWP	F4	0	J4	1,115	1,000
C4	Mill Creek	MC	G4	0	K4	217	8,000
D4	Mill Creek	SWP	H4	0	L4	831	1,000
	SBVMWVC	SWP					
	WMWVC	SWP					

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U+V+W+X+Y+Z
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1.Z1)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)G1 = A1+B1+C1+D1+E1, if BVMWVC River Pickup not gated closed & is directed to ACE PP# 3 Afterbay (F1 now part of D1 value)
- Total SAR Inflows, (Σ)G1 = A1+B1+C1+E1, if BVMWVC River Pickup gated closed ("Y" for "yes") water is bypassed to SAR (F1 now part of D1 value)
- Greenspot Pipeline, (Σ)U1 = M1 +N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBVVC (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWVC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/11/2010
Time: 8:15

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BSMWD 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	0.0	(+)R ¹ Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K ¹ Edwards Canal	0.0	(+)S ¹ SBCFCD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.8	(+)L ¹ Redlands Aqueduct	0.8	(+)T ¹ Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M ¹ Crafton Unger Lane	0.0	(+)U ¹ MC spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.8	(+)N ¹ BVMWC Boulloun Box	0.0	(Σ)V Total SWP Deliveries	0.8

Santa Ana River

SOD Reservoir Elevation 2181.98

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1 PH #3 Penstock (CALC)	18.2	(+)M1 SBCFCD Grove	0.0	(+)A2 Newport	0.0
(+)B1 BVMWC Highline	1.1	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.7
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.4
(+)D1 BVMWC River PU (USGS)	0.0	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)Z)D2 Boulloun Box Weir	1.1
(+)F1 Greenspot Spill	0.0	(+)Q1 Crafton WC Unger Lane	0.0	(+)E2 Boulloun Box to Zanja	0.0
(+)D1a If BV pl/gated, divert to SAR= "Y"		(+)R1 BVMWC Highline to Boulloun	0.0	(+)F2 SBVWCD Mill Creek Spread	0.0
(+)E1 Main River Gage (USGS)	3.1	(+)S1 Crafton WC Boulloun	0.0	(Σ)B1 BVMWC Highline	1.1
(Σ)G1 Total SAR Inflows	22.4	(+)T1 Tate Pump Station to Zanja	0.0	(+)G2 Northfork Canal Weir	6.1
H1 SBVWCD Diversion	3.1	(Σ)U1 Greenspot Pipeline	0.0	(+)H2 Edwards Canal	0.9
I1 Redlands Tunnel	1.1	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.0	(+)J2 Tailrace Valve	4.6
J1 ³⁾ Big Bear Lake Release	0.80	W1 Redlands Aqueduct Weir	7.8	(+)K2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	18.7	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)I2 Tailrace Pipeline	11.5
L1 SCE SAR AVM (SCADA)	20.3	Y1 Redlands Sandbox Spill	0.0	(+)L2 SBVWCD Parshall Flume To Basins	7.6
Z1 Seven Oaks Dam Release	0.0	(+)Z2 Cuttle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 ¹⁾ Total SAR Deliveries	22.4

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A3 RPU Flow	6.2	(+)J3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	8.9
(+)B3 M/C #3 Penstock	5.3	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(+)C3 SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boulloun to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	11.5	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	2.6
E3 M/C #1 Penstock Flow	11.5	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hall)	11.5
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	11.5
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	1.1
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)	21.3

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 46	I4 562	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 217	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1 +N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBVWCD (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/12/2010
Time: 8:15

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	EVWD Treatment Plant	0.0	(+)P	SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	Santa Ana Low Turnout	0.0	(+)Q	Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	Northfork Canal	0.0	(+)R	Tate Treatment Plant	0.0
(+)D	Purchased Water	0.0	(+)K	Edwards Canal	0.0	(+)S	SBCFCD Grove	0.0
(+)E	Redlands Aqueduct Leakage	0.7	(+)L	Redlands Aqueduct	0.7	(+)Y	Newport for BVMWC	0.0
(+)F	Recharge Project	0.0	(+)M	Crafton Unger Lane	0.0	(+)U	M/C spreading @ ZT	0.0
(Σ)G	Total SWP Inflows	0.7	(+)N	BVMWC Boullion Box	0.0	(Σ)V	Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2181.98

Debris Pool Elevation 2200.00

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	18.8	(+)M1	SBCFCD Grove	0.0	(+)A2	Newport	0.0
(+)B1	BVMWC Highline	2.2	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow	0.4
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irigation	1.8
(+)D1	BVMWC River PU (USGS)	3.1	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)E)D2	Boullion Box Weir	2.2
(+)F1	Greenspot Spill	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+)E2	Boullion Box to Zanja	0.0
(-)D1a	If BV p/u gated, divert to SAR= "Y"	Y	(+)R1	BVMWC Highline to Boullion	0.0	(+)F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	3.1	(+)S1	Crafton WC Boullion	0.0	(Σ)B1	BVMWC Highline	2.2
(Σ)G1	Total SAR Inflows	24.1	(+)Y1	Tate Pump Station to Zanja	0.0	(+)G2	Northfork Canal Weir	6.2
H1	SBVWCD Diversion	3.1	(Σ)U1	Greenspot Pipeline	0.0	(+)H2	Edwards Canal	0.9
I1	Redlands Tunnel	1.1	(+)V1	PH #3 Afterbay Spill Loss to SAR	3.1	(+)J2	Tallrace Valve	0.0
J1 ³⁾	Big Bear Lake Release	0.80	W1	Redlands Aqueduct Weir	11.7	(+)K2	Northfork Parshall Flume	0.0
K1	PH#3 Penstock (SCADA)	14.1	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tallrace Pipeline	7.1
L1	SCE SAR AVM (SCADA)	20.3	Y1	Redlands Sandbox Spill	0.0	(+)L2	SBVWCD Parshall Flume To Basins	0.0
Z1	Seven Oaks Dam Release	3.1	(+)Z2	Cuttie Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0
			(Σ)N2	Total SAR Deliveries	24.1			

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A3	RPU Flow	6.0	(+)J3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	8.8
(+)B3	M/C #3 Penstock	5.4	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+)C3	SBVWCD Mill Creek Diversion	0.0	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullion to BVMWC Highline	0.0
(Σ)D3	Total MC Inflows	11.4	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	2.6
E3	M/C #1 Penstock Flow	11.4	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	11.4
F3	Stream Parshall Flume to Yucaipa	0.0	(+)N3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries	11.4
G3	Observation at Garnet Bridge	0.0	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal	1.2
H3						W3	Mill Creek PH #2,3 Afterbay Spill	0.0
			I3	Mentone Reser. Level (23.0)	20.4	Y3	Crafton Reser. Level (21.3)	21.3

SBVWCD Recharge

	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	562	10,000
B4	Santa Ana River	SWP	F4		J4	1,115	1,000
C4	Mill Creek	MC	G4	0	K4	217	8,000
D4	Mill Creek	SWP	H4		L4	831	1,000
	SBVMWD	SWP					
	WMWD	SWP					

Comments:

- 1) Source = SCADAVIEW
- 2) State Water Inflows, (Σ)G = A+B+C+D+E+F
- 3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
- 4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- 5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- 6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- 7) Total SAR Inflows, (Σ)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, (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) SBVv(Σ)C3 = E3+F3
- 15) Yucaipa Pipeline, (Σ)K3 = I3 + J3
- 16) SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- 17) Seven Oaks Dam Release = Z1 = D1 - F1
- 18) Tallrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- 21) SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- 22) PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/13/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BVMWD In-lieu	0.0	(+H) EVWD Treatment Plant	0.0	(+P) SARC West	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	0.0	(+Q) Zanja	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	0.0	(+R) Tate Treatment Plant	0.0
(+D) Purchased Water	0.0	(+K) Edwards Canal	0.0	(+S) SBCFCD Grove	0.0
(+E) Redlands Aqueduct Leakage	0.8	(+L) Redlands Aqueduct	0.8	(+T) Newport for BVMWC	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.8	(+N) BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	0.8

Santa Ana River

SOD Reservoir Elevation 2182.09

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A1) PH #3 Penstock (CALC)	16.3	(+M1) SBCFCD Grove	0.0	(+A2) Newport	0.0
(+B1) BVMWC Highline	1.9	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	1.5
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	-0.4
(+D1) BVMWC River PU (USGS)	3.7	(+P1) SBVWCD Mill Creek Spreading	0.0	(Σ)D2 Boullion Box Weir	1.9
(+F1) Greenspot Spill	0.2	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boullion Box to Zanja	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"	Y	(+R1) BVMWC Highline to Boullion	0.0	(+F2) SBVWCD Mill Creek Spread	0.0
(+E1) Main River Gage (USGS)	0.0	(+S1) Crafton WC Boullion	0.0	(Σ)B1 BVMWC Highline	1.9
(Σ)G1 Total SAR Inflows	21.9	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	6.2
H1 SBVWCD Diversion	0.0	(Σ)U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.9
I1 Redlands Tunnel	1.1	(+V1) PH #3 Afterbay Spill Loss to SAR	3.7	(+J2) Tailrace Valve	2.0
J1 ^{a)} Big Bear Lake Release	1.00	W1 Redlands Aqueduct Weir	8.3	(+K2) Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	15.7	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)I2 Tailrace Pipeline	9.1
L1 SCE SAR AVM (SCADA)	21.8	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	2.0
Z1 Seven Oaks Dam Release	3.5	(+Z2) Cattle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 ¹⁾ Total SAR Deliveries	21.9

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	6.3	(+I3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	12.0
(+B3) M/C #3 Penstock	6.7	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	9.6
(+C3) SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+R3) Boullion to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	12.0	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	2.4
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	(Σ)I3 Mill Creek #1 Flow (Cooley Hat)	12.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	12.0
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWG Canal	1.4
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		I3 Mentona Reser. Level (23.0)	20.0	Y3 Crafton Reser. Level (21.3)	21.3

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 4	I4 566	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 217	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- PH#3 Penstock (Calc), (Σ)A1 = V1+G2+H2+J2+K2+V1+W1+Y1-21) SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1 + N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBVWCD (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/14/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BBMWD In-lieu	0.0	(+)H EVWD Treatment Plant	0.0	(+)P SARC West	0.0
(+)B Muni test @ Greenspot Sta.	0.0	(+)I Santa Ana Low Turnout	0.0	(+)Q Zanja	0.0
(+)C Exchange Water	0.0	(+)J Northfork Canal	0.0	(+)R Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K Edwards Canal	0.0	(+)S SBCFCD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.8	(+)L Redlands Aqueduct	0.8	(+)T Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M Crafton Unger Lane	0.0	(+)U M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.8	(+)N BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	0.8

Santa Ana River

SOD Reservoir Elevation 2182.12

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1 PH #3 Penstock (CALC)	15.1	(+)M1 SBCFCD Grove	0.0	(+)A2 Newport	0.0
(+)B1 BVMWC Highline	2.0	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.4
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	1.6
(+)D1 BVMWC River PU (USGS)	3.7	(+)P1 SBWCD Mill Creek Spreading	0.0	(+)D2 Boullion Box Weir	2.0
(+)F1 Greenspot Spill	0.3	(+)Q1 Crafton WC Unger Lane	0.0	(+)E2 Boullion Box to Zanja	0.0
(+)D1a If BV p/u gated, divert to SAR= "Y"	Y	(+)R1 BVMWC Highline to Boullion	0.0	(+)F2 SBWCD Mill Creek Spread	0.0
(+)E1 Main River Gage (USGS)	0.0	(+)S1 Crafton WC Boullion	0.0	(Σ) B1 BVMWC Highline	2.0
(Σ)G1 Total SAR Inflows	20.8	(+)T1 Tate Pump Station to Zanja	0.0	(+)G2 Northfork Canal Weir	6.2
H1 SBWCD Diversion	0.0	(Σ) U1 Greenspot Pipeline	0.0	(+)H2 Edwards Canal	0.0
I1 Redlands Tunnel	1.1	(+)V1 PH #3 Afterbay Spill Loss to SAR	3.7	(+)J2 Tailrace Valve	2.0
J1 ³⁾ Big Bear Lake Release	1.00	W1 Redlands Aqueduct Weir	8.0	(+)K2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	15.3	X1 SBWCD Mill Creek Spreading	0.0	(Σ) I2 Tailrace Pipeline	8.2
L1 SCE SAR AVM (SCADA)	20.7	Y1 Redlands Sandbox Spill	0.0	(+)L2 SBWCD Parshall Flume To Basins	2.0
Z1 Seven Oaks Dam Release	3.4	(+)Z2 Cuttie Weir To River	0.0	(Σ) C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	20.8

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A3 RPU Flow	6.9	(+)I3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	12.8
(+)B3 M/C #3 Penstock	5.9	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	10.7
(+)C3 SBWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boullion to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	12.8	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	2.1
E3 M/C #1 Penstock Flow	0.0	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	12.8
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	12.8
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	1.4
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		13 Mentone Reser. Level (23.0)	20.7	Y3 Crafton Reser. Level (21.3)	21.3

SBWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 4	I4 634	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 217	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1.21)SBWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1 +N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBV(Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- PH#3 PENSTOCK (Calc)
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: 1/20/2010

Time: 8:30

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) SBMWD In-lieu	0.0	(+H) EVWD Treatment Plant	0.0	(+P) SARC West	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+J) Santa Ana Low Turnout	0.0	(+Q) Zanja	0.0
(+C) Exchange Water	0.0	(+K) Northfork Canal	0.0	(+R) Tate Treatment Plant	0.0
(+D) Purchased Water	0.0	(+L) Edwards Canal	0.0	(+S) SBCFCD Grove	0.0
(+E) Redlands Aqueduct Leakage	0.7	(+M) Redlands Aqueduct	0.7	(+T) Newport for BVMWC	0.0
(+F) Recharge Project	0.0	(+N) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+N) BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2182.16

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	0.0	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	0.0
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	0.0
(+D1) BVMWC River PU (USGS)	0.2	(+P1) SBWCD Mill Creek Spreading	0.0	(+E)D2 Boullion Box Weir	0.0
(+F1) Greenspot Spill	0.0	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boullion Box to Zanja	0.0
(-D1a) If BV p/u gated, divert to SAR= "Y"	Y,0	(+R1) BVMWC Highline to Boullion	0.0	(+F2) SBWCD Mill Creek Spread	0.0
(+E1) Main River Gage (USGS)	3.3	(+S1) Crafton WC Boullion	0.0	(Σ) B1 BVMWC Highline	0.0
(Σ)G1 Total SAR Inflows	3.5	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0
H1 SBWCD Diversion	0.0	(Σ) U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0
H Redlands Tunnel	1.4	(+V1) PH #3 Afterbay Spill Loss to SAR	0.2	(+J2) Tallrace Valve	0.0
J1 Big Bear Lake Release	0.62	W1 Redlands Aqueduct Weir	1.4	(+K2) Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBWCD Mill Creek Spreading	0.0	(Σ) I2 Tallrace Pipeline	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+L2) SBWCD Parshall Flume To Basins	3.3
Z1 Seven Oaks Dam Release	0.2	(+Z2) Cuttle Weir To River	0.0	(Σ) C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	3.5

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	0.0	(+J13) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	0.0
(+B3) M/C #3 Penstock	0.0	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0
(+C3) SBWCD Mill Creek Diversion	0.0	(Σ) K3 Yucaipa Pipeline	0.0	(+R3) Boullion to BVMWC Highline	0.0
(Σ) D3 Total MC Inflows	0.0	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	(Σ) T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	0.0
G3 Observation at Garnet Bridge	10.0	(Σ) O3 SBWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	0.0
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		I3 Mantone Reser. Level (23.0)	22.2	Y3 Crafton Reser. Level (21.3)	17.6

SBWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 24	I4 587	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 17	K4 244	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- 2) State Water Inflows, (Σ)G = A+B+C+D+E+F
- 3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U
- 4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1. 2) SBWCD Parshall Flume, (Σ)L2 = H1+K2
- 5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- 6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- 7) Total SAR Inflows, (Σ)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, (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) SBV1 (Σ)C3 = E3+F3
- 15) Yucaipa Pipeline, (Σ)K3 = I3 + J3
- 16) SBWCD Spreading, (Σ)O3 = N3 + M3 + L3
- 17) Seven Oaks Dam Release = Z1 = D1 - F1
- 18) Tallrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- 21) PH#3 PENSTOCK (Calc)
- 22) PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/21/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BBMWD In-lieu	0.0	(+)H EVWD Treatment Plant	0.0	(+)P SARC West	0.0
(+)B Muni test @ Greenspot Sta.	0.0	(+)I Santa Ana Low Turnout	0.0	(+)Q Zanja	0.0
(+)C Exchange Water	0.0	(+)J Northfork Canal	0.0	(+)R Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K Edwards Canal	0.0	(+)S SBFCFD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.7	(+)L Redlands Aqueduct	0.7	(+)T Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M Crafton Unger Lane	0.0	(+)U M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+)N BVMWC Boulloun Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2189.68

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 SBFCFD Grove	0.0	(+)A2 Newport	0.0
(+)B1 BVMWC Highline	0.0	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.0
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.0
(+)D1 BVMWC River PU (USGS)	0.2	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)ΣD2 Boulloun Box Weir	0.0
(+)F1 Greenspot Spill	0.0	(+)Q1 Crafton WC Unger Lane	0.0	(+)E2 Boulloun Box to Zanja	0.0
(+)D1a If BV plu gated, divert to SAR="Y"	Y.0	(+)R1 BVMWC Highline to Boulloun	0.0	(+)F2 SBVWCD Mill Creek Spread	0.0
(+)E1 Main River Gage (USGS)	4.8	(+)S1 Crafton WC Boulloun	0.0	(Σ)B1 BVMWC Highline	0.0
(Σ)G1 Total SAR Inflows	5.0	(+)T1 Tate Pump Station to Zanja	0.0	(+)G2 Northfork Canal Weir	0.0
H1 SBVWCD Diversion	4.8	(Σ)U1 Greenspot Pipeline	0.0	(+)H2 Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.2	(+)J2 Tailrace Valve	0.0
J1 ^a Big Bear Lake Release	0.58	W1 Redlands Aqueduct Weir	1.4	(+)K2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)I2 Tailrace Pipeline	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+)L2 SBVWCD Parshall Flume To Basins	4.8
Z1 Seven Oaks Dam Release	0.2	(+)Z2 Cuttle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	5.0

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A3 RPU Flow	0.0	(+)J3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	0.0
(+)B3 M/C #3 Penstock	0.0	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(+)C3 SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boulloun to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	0.0	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	0.0
G3 Observation at Garnet Bridge	30.0	(Σ)O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	0.0
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		I3 Mentone Reser. Level (23.0)	20.8	Y3 Crafton Reser. Level (21.3)	17.7

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 13	I4 607	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 244	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBV (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/22/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BMWWD In-lieu	0.0	(+H) EVWD Treatment Plant	0.0	(+P) SARC West	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	0.0	(+Q) Zanja	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	0.0	(+R) Tate Treatment Plant	0.0
(+D) Purchased Water	0.0	(+K) Edwards Canal	0.0	(+S) SBFCFD Groves	0.0
(+E) Redlands Aqueduct Leakage	0.7	(+L) Redlands Aqueduct	0.7	(+T) Newport for BVMWC	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+N) BVMWC Boulloun Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2193.46

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) SBFCFD Grove	0.0	(+A2) Newport	0.0
(+B1) BVMWC Highline	0.0	(+N1) BVMWC Highline	0.0	(+B2) Gay Overflow	0.0
(+C1) Greenspot Pipeline	0.0	(+O1) Newport for BVMWC	0.0	(+C2) Irrigation	0.0
(+D1) BVMWC River PU (USGS)	0.2	(+P1) SBVWCD Mill Creek Spreading	0.0	(+E)D2 Boulloun Box Weir	0.0
(+F1) Greenspot Spill	0.0	(+Q1) Crafton WC Unger Lane	0.0	(+E2) Boulloun Box to Zanja	0.0
(-D1a) If BV pu gated, divert to SAR= "Y"	Y,0	(+R1) BVMWC Highline to Boulloun	0.0	(+F2) SBVWCD Mill Creek Spread	0.0
(+E1) Main River Gage (USGS)	8.8	(+S1) Crafton WC Boulloun	0.0	(Σ)B1 BVMWC Highline	0.0
(Σ)G1 Total SAR Inflows	9.0	(+T1) Tate Pump Station to Zanja	0.0	(+G2) Northfork Canal Weir	0.0
H1 SBVWCD Diversion	0.0	(Σ)U1 Greenspot Pipeline	0.0	(+H2) Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+V1) PH #3 Afterbay Spill Loss to SAR	0.2	(+J2) Tailrace Valve	0.0
J1 Big Bear Lake Release	0.58	W1 Redlands Aqueduct Weir	1.4	(+K2) Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)I2 Tailrace Pipeline	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+L2) SBVWCD Parshall Flume To Basins	8.8
Z1 Seven Oaks Dam Release	0.2	(+Z2) Cuttle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	9.0

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A3) RPU Flow	0.0	(+J3) Yucaipa Regional Park	0.0	(+P3) Tate Inflow	0.0
(+B3) M/C #3 Penstock	0.0	(+J3) Wilson Creek Spreading	0.0	(+Q3) East Weir to Mill Creek	0.0
(+C3) SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+R3) Boulloun to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	0.0	(+L3) East Weir (MC)	0.0	(+S3) East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+M3) BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+N3) Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	0.0
G3 Observation at Garnet Bridge	40.0	(Σ)O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWC Canal	0.0
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)	18.1

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 16	I4 623	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 0	K4 244	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U+V+W+X+Y+Z
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+C1-J2-K2-I1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBV (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+S2+C2+E2+F2
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/25/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BBMWD In-lieu	0.0	(+)H EVWD Treatment Plant	0.0	(+)P SARC West	0.0
(+)B Muni test @ Greenspot Sta.	0.0	(+)I Santa Ana Low Turnout	0.0	(+)Q Zanja	0.0
(+)C Exchange Water	0.0	(+)J Northfork Canal	0.0	(+)R Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K Edwards Canal	0.0	(+)S SBFCFD Groves	0.0
(+)E Redlands Aqueduct Leakage	0.7	(+)L Redlands Aqueduct	0.7	(+)T Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M Crafton Unger Lane	0.0	(+)U MIC spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+)N BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2208.59

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 SBFCFD Grove	0.0	(+)A2 Newport	0.0
(+)B1 BVMWC Highline	0.0	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.0
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.0
(+)D1 BVMWC River PU (USGS)	0.2	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)E2 Boullion Box to Zanja	0.0
(+)F1 Greenspot Spill	0.0	(+)Q1 Crafton WC Unger Lane	0.0	(+)F2 SBVWCD Mill Creek Spread	0.0
(-)D1a If BV pu gated, divert to SAR= "Y"	Y,0	(+)R1 BVMWC Highline to Boullion	0.0	(Σ)B1 BVMWC Highline	0.0
(+)E1 Main River Gage (USGS)	4.7	(+)S1 Crafton WC Boullion	0.0	(+)G2 Northfork Canal Weir	0.0
(Σ)G1 Total SAR Inflows	4.9	(+)T1 Tate Pump Station to Zanja	0.0	(+)H2 Edwards Canal	0.0
H1 SBVWCD Diversion	4.7	(Σ)U1 Greenspot Pipeline	0.0	(+)J2 Tailrace Valve	0.0
I1 Redlands Tunnel	1.4	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.2	(+)K2 Northfork Parshall Flume	0.0
J1 ^a Big Bear Lake Release	0.58	W1 Redlands Aqueduct Weir	1.4	(Σ)I2 Tailrace Pipeline	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(+)L2 SBVWCD Parshall Flume To Basins	4.7
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(Σ)C1 Greenspot Pipeline	0.0
Z1 Seven Oaks Dam Release	0.2	(+)Z2 Cuttle Weir To River	0.0	(Σ)N2 Total SAR Deliveries	4.9

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A3 RPU Flow	0.0	(+)J3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	0.0
(+)B3 MIC #3 Penstock	0.0	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(+)C3 SBVWCD Mill Creek Diversion	0.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boullion to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	0.0	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	0.0	U3 Total MC Deliveries	0.0
G3 Observation at Garnet Bridge	6.0	(Σ)O3 SBVWCD Spreading	0.0	V3 Zanja West Weir to CWK Canal	0.0
H3		I3 Mentone Reser. Level (23.0)	20.0	W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		Y3 Crafton Reser. Level (21.3)	18.1		

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 27	I4 650	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 2	K4 245	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- Source = SCADAVIEW
- State Water Inflows, (Σ)G = A+B+C+D+E+F
- State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
- PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-Z1; SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- Total SAR Inflows, (Σ)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)
- 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)
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- Total SAR Deliveries, (Σ)N2 = V1+W1+Y1+Z2+B1+I2+L2+C1-J2-K2-H1
- Total Mill Creek Inflows, (Σ)D3 = A3+B3+C3
- M/C #1 Penstock Flow, (Σ)E3 = T3
- M/C #1 Penstock Flow, (Σ)E3 = A3 + B3
- SBV (Σ)C3 = E3+F3
- Yucaipa Pipeline, (Σ)K3 = I3 + J3
- SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- Seven Oaks Dam Release = Z1 = D1 - F1
- Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- PH#3 PENSTOCK (Calc)
- Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/26/2010
Time: 8:15

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)JA BBMWD In-let	0.0	(+)H ¹ EWWD 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	(+)G ¹ Zanja	0.0
(+)C Exchange Water	0.0	(+)J ¹ Northfork Canal	0.0	(+)R ¹ Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K ¹ Edwards Canal	0.0	(+)S ¹ SBCFCD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.7	(+)L ¹ Redlands Aqueduct	0.7	(+)T ¹ Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M ¹ Crafton Unger Lane	0.0	(+)U ¹ M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+)N ¹ BVMWC Boullion Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2210.32

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	0.0	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.0
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.0
(+)D1 BVMWC River PU (USGS)	0.2	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)E1D2 Boullion Box Weir	0.0
(+)F1 Greenspot Spill	0.0	(+)Q1 Crafton WC Unger Lane	0.0	(+)E2 Boullion Box to Zanja	0.0
(+)D1a If BV p/u gated, divert to SAR= "Y"	Y, 0	(+)R1 BVMWC Highline to Boullion	0.0	(+)F2 SBVWCD Mill Creek Spread	0.0
(+)E1 Main River Gage (USGS)	4.5	(+)S1 Crafton WC Boullion	0.0	(Σ)B1 BVMWC Highline	0.0
(Σ)G1 Total SAR Inflows	4.7	(+)T1 Tate Pump Station to Zanja	0.0	(+)G2 Northfork Canal Weir	0.0
H1 SBVWCD Diversion	4.5	(Σ)U1 Greenspot Pipeline	0.0	(+)H2 Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.2	(+)J2 Tailrace Valve	0.0
J1 ^a Big Bear Lake Release	0.65	W1 Redlands Aqueduct Weir	1.4	(+)K2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)I2 Tailrace Pipeline	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+)L2 SBVWCD Parshall Flume To Basins	4.5
Z1 Seven Oaks Dam Release	0.2	(+)Z2 Cuttle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	4.7

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A3 RPU Flow	0.0	(+)J3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	0.0
(+)B3 M/C #3 Penstock	0.0	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(+)C3 SBVWCD Mill Creek Diversion	6.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boullion to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	6.0	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	6.0	U3 Total MC Deliveries	6.0
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	6.0	V3 Zanja West Weir to CWC Canal	0.0
H3				W3 Mill Creek PH #2.3 Afterbay Spill	0.0
		I3 Mentone Reser. Level (23.0)	19.2	Y3 Crafton Reser. Level (21.3)	18.1

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 23	I4 673	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 10	K4 256	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- 1) Source = SCADAVIEW
- 2) State Water Inflows, (Σ)G = A+B+C+D+E+F
- 3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U+V+W+X+Y+Z
- 4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- 5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- 6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- 7) Total SAR Inflows, (Σ)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, (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) SBV (Σ)C3 = E3+F3
- 15) Yucaipa Pipeline, (Σ)K3 = I3 + J3
- 16) SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- 17) Seven Oaks Dam Release = Z1 = D1 - F1
- 18) Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- 21) PH#3 PENSTOCK (Calc)
- 22) PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/27/2010
Time: 8:00

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+)A BBMWd In-lieu	0.0	(+)H EVWD Treatment Plant	0.0	(+)P SARC West	0.0
(+)B Muni test @ Greenspot Sta.	0.0	(+)I Santa Ana Low Turnout	0.0	(+)Q Zanja	0.0
(+)C Exchange Water	0.0	(+)J Northfork Canal	0.0	(+)R Tate Treatment Plant	0.0
(+)D Purchased Water	0.0	(+)K Edwards Canal	0.0	(+)S SBCFCD Grove	0.0
(+)E Redlands Aqueduct Leakage	0.7	(+)L Redlands Aqueduct	0.7	(+)T Newport for BVMWC	0.0
(+)F Recharge Project	0.0	(+)M Crafton Unger Lane	0.0	(+)U M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.7	(+)N BVMWC Boullouin Box	0.0	(Σ)V Total SWP Deliveries	0.7

Santa Ana River

SOD Reservoir Elevation 2212.01

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1 PH #3 Penstock (CALC)	15.8	(+)M1 SBCFCD Grove	0.0	(+) A2 Newport	0.0
(+)B1 BVMWC Highline	0.5	(+)N1 BVMWC Highline	0.0	(+)B2 Gay Overflow	0.4
(+)C1 Greenspot Pipeline	0.0	(+)O1 Newport for BVMWC	0.0	(+)C2 Irrigation	0.1
(+)D1 BVMWC River PU (USGS)	0.2	(+)P1 SBVWCD Mill Creek Spreading	0.0	(+)EJ02 Boullouin Box Weir	0.5
(+)F1 Greenspot Spill	0.2	(+)Q1 Crafton WC Unger Lane	0.0	(+) E2 Boullouin Box to Zanja	0.0
(-)D1a If BV plu gated, divert to SAR= "Y"	Y, 0	(+)R1 BVMWC Highline to Boullouin	0.0	(+) F2 SBVWCD Mill Creek Spread	0.0
(+)E1 Main River Gage (USGS)	4.6	(+)S1 Crafton WC Boullouin	0.0	(Σ) B1 BVMWC Highline	0.5
(Σ)G1 Total SAR Inflows	21.1	(+)T1 Tate Pump Station to Zanja	0.0	(+) G2 Northfork Canal Weir	0.0
H1 SBVWCD Diversion	4.6	(Σ) U1 Greenspot Pipeline	0.0	(+) H2 Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+)V1 PH #3 Afterbay Spill Loss to SAR	0.2	(+) J2 Tailrace Valve	12.2
J1 Big Bear Lake Release	0.65	W1 Redlands Aqueduct Weir	1.4	(+)K2 Northfork Parshall Flume	3.6
K1 PH#3 Penstock (SCADA)	13.7	X1 SBVWCD Mill Creek Spreading	0.0	(Σ) L2 Tailrace Pipeline	15.8
L1 SCE SAR AVM (SCADA)	17.1	Y1 Redlands Sandbox Spill	0.0	(+) L2 SBVWCD Parshall Flume To Basins	20.4
Z1 Seven Oaks Dam Release	0.0	(+)Z2 Cuttle Weir To River	0.0	(Σ) C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	21.1

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+) A3 RPU Flow	0.0	(+)I3 Yucaipa Regional Park	0.0	(+)P3 Tate Inflow	0.0
(+) B3 M/C #3 Penstock	0.0	(+)J3 Wilson Creek Spreading	0.0	(+)Q3 East Weir to Mill Creek	0.0
(-) C3 SBVWCD Mill Creek Diversion	6.0	(Σ)K3 Yucaipa Pipeline	0.0	(+)R3 Boullouin to BVMWC Highline	0.0
(Σ) D3 Total MC Inflows	6.0	(+)L3 East Weir (MC)	0.0	(+)S3 East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+)M3 BVHL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+)N3 Mill Creek Diversion (MC)	6.0	U3 Total MC Deliveries	6.0
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	6.0	V3 Zanja West Weir to CWC Canal	0.0
H3				W3 Mill Creek PH #2,3 Afterbay Spill	0.0
		I3 Mantone Reser. Level (23.0)	20.1	Y3 Crafton Reser. Level (21.3)	18.1

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 14	I4 687	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 1	K4 257	8,000
D4 Mill Creek	SWP	H4	L4	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- 1) Source = SCADAVIEW
- 2) State Water Inflows, (Σ)G = A+B+C+D+E+F
- 3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T
- 4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1.21)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- 5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
- 6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
- 7) Total SAR Inflows, (Σ)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, (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) SBV (Σ)C3 = E3+F3
- 15) Yucaipa Pipeline, (Σ)K3 = I3 + J3
- 16) SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
- 17) Seven Oaks Dam Release = Z1 = D1 - F1
- 18) Tailrace Pipeline, (Σ)I2 = G2+H2+J2+K2
- 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
- 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
- 21) SBVWCD Parshall Flume, (Σ)L2 = H1+K2
- 22) PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.

Santa Ana River-Mill Creek Cooperative Water Project
Daily Flow Report

Date: 1/28/2010
Time: 7:45

State Water Project

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries (continued)	Flow Rate (cfs)
(+A) BMWWD In-leu	0.0	(+H) EVWD Treatment Plant	0.0	(+P) SARC West	0.0
(+B) Muni test @ Greenspot Sta.	0.0	(+I) Santa Ana Low Turnout	0.0	(+Q) Zanja	0.0
(+C) Exchange Water	0.0	(+J) Northfork Canal	0.0	(+R) Tate Treatment Plant	0.0
(+D) Purchased Water	0.0	(+K) Edwards Canal	0.0	(+S) SBFCFD Grove	0.0
(+E) Redlands Aqueduct Leakage	0.6	(+L) Redlands Aqueduct	0.6	(+T) Newport for BVMWC	0.0
(+F) Recharge Project	0.0	(+M) Crafton Unger Lane	0.0	(+U) M/C spreading @ ZT	0.0
(Σ)G Total SWP Inflows	0.6	(+N) BVMWC Boulouin Box	0.0	(Σ)V Total SWP Deliveries	0.6

Santa Ana River

SOD Reservoir Elevation 2214.01

Debris Pool Elevation 2200.00

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A)1 PH #3 Penstock (CALC)	0.0	(+M)1 SBFCFD Grove	0.0	(+A)2 Newport	0.0
(+B)1 BVMWC Highline	0.0	(+N)1 BVMWC Highline	0.0	(+B)2 Gay Overflow	0.0
(+C)1 Greenspot Pipeline	0.0	(+O)1 Newport for BVMWC	0.0	(+C)2 Irrigation	0.0
(+D)1 BVMWC River PU (USGS)	0.0	(+P)1 SBVWCD Mill Creek Spreading	0.0	(+E)D2 Boulouin Box Weir	0.0
(+F)1 Greenspot Spill	0.0	(+Q)1 Crafton WC Unger Lane	0.0	(+E)2 Boulouin Box to Zanja	0.0
(+D)1a If BV p/u gated, divert to SAR= "Y"	Y,0	(+R)1 BVMWC Highline to Boulouin	0.0	(+F)2 SBVWCD Mill Creek Spread	0.0
(+E)1 Main River Gage (USGS)	0.0	(+S)1 Crafton WC Boulouin	0.0	(Σ)B1 BVMWC Highline	0.0
(Σ)G1 Total SAR Inflows	0.0	(+T)1 Tate Pump Station to Zanja	0.0	(+G)2 Northfork Canal Weir	0.0
H1 SBVWCD Diversion	0.0	(Σ)U1 Greenspot Pipeline	0.0	(+H)2 Edwards Canal	0.0
I1 Redlands Tunnel	1.4	(+V)1 PH #3 Afterbay Spill Loss to SAR	0.0	(+J)2 Tailrace Valve	0.0
J1 ^{a)} Big Bear Lake Release	0.72	W1 Redlands Aqueduct Weir	1.4	(+K)2 Northfork Parshall Flume	0.0
K1 PH#3 Penstock (SCADA)	0.0	X1 SBVWCD Mill Creek Spreading	0.0	(Σ)J2 Tailrace Pipeline	0.0
L1 SCE SAR AVM (SCADA)	0.0	Y1 Redlands Sandbox Spill	0.0	(+L)2 SBVWCD Parshall Flume To Basins	0.0
Z1 Seven Oaks Dam Release	0.0	(+Z)2 Cuttle Weir To River	0.0	(Σ)C1 Greenspot Pipeline	0.0
				(Σ)N2 Total SAR Deliveries	0.0

Mill Creek

Inflows	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+A)3 RPU Flow	0.0	(+J)3 Yucaipa Regional Park	0.0	(+P)3 Tate Inflow	0.0
(+B)3 M/C #3 Penstock	0.0	(+J)3 Wilson Creek Spreading	0.0	(+Q)3 East Weir to Mill Creek	0.0
(+C)3 SBVWCD Mill Creek Diversion	6.0	(Σ)K3 Yucaipa Pipeline	0.0	(+R)3 Boulouin to BVMWC Highline	0.0
(Σ)D3 Total MC Inflows	6.0	(+L)3 East Weir (MC)	0.0	(+S)3 East Weir to Zanja	0.0
E3 M/C #1 Penstock Flow	0.0	(+M)3 BV-HL (SAR)	0.0	(Σ)T3 Mill Creek #1 Flow (Cooley Hat)	0.0
F3 Stream Parshall Flume to Yucaipa	0.0	(+N)3 Mill Creek Diversion (MC)	6.0	U3 Total MC Deliveries	6.0
G3 Observation at Garnet Bridge	0.0	(Σ)O3 SBVWCD Spreading	6.0	V3 Zanja West Weir to CWC Canal	0.0
H3		I3 Mentone Reser. Level (23.0)	21.4	W3 Mill Creek PH #2,3 Afterbay Spill	0.0
				Y3 Crafton Reser. Level (21.3)	18.2

SBVWCD Recharge

Location	Type	Previous Day (AF)	WY To Date (AF)	Target
A4 Santa Ana River	SAR	E4 0	I4 687	10,000
B4 Santa Ana River	SWP	F4	J4 1,115	1,000
C4 Mill Creek	MC	G4 11	K4 268	8,000
D4 Mill Creek	SWP	H4	L4 831	1,000
SBVMWD	SWP			
WMWD	SWP			

Comments:

- 1) Source = SCADAVIEW
 - 2) State Water Inflows, (Σ)G = A+B+C+D+E+F
 - 3) State Water Deliveries, (Σ)V = H+I+J+K+L+M+N+P+Q+R+S+T+U
 - 4) PH#3 Penstock (Calc), (Σ)A1=V1+G2+H2+J2+K2+V1+W1+Y1-2.1)SBVWCD Parshall Flume, (Σ)L2 = H1+K2
 - 5) Bear Valley Highline, (Σ)B1 = A2+D2+E2+F2
 - 6) Total SAR Inflows = SAR Deliveries, (Σ)G1 = (Σ)N2
 - 7) Total SAR Inflows, (Σ)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, (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) SBV (Σ)C3 = E3+F3
 - 15) Yucaipa Pipeline, (Σ)K3 = I3 + J3
 - 16) SBVWCD Spreading, (Σ)O3 = N3 + M3 + L3
 - 17) Seven Oaks Dam Release = Z1 = D1 - F1
 - 18) Tailrace Pipeline, (Σ)J2 = G2+H2+J2+K2
 - 19) BVMWC Highline, (Σ)B1 = A2+B2+C2+E2+F2
 - 20) Greenspot Pipeline, (Σ)U1 = M1+N1+O1+P1+Q1+R1+S1+T1
 - 21) SBVWCD Parshall Flume, (Σ)L2 = H1+K2
 - 22) PH#3 PENSTOCK (Calc)
- a) Per fish release from Big Bear Lake.