Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 31, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2308.50

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	989.8	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	1000.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	4.2
(Σ)G1	**SubTotal 1+2 SAR Inflows**	1000.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	1000.0	W1	Redlands Aqueduct / Sandbox	7.1	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	199.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	4.2
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	199.0
J1	[a]Big Bear Lake Release	0.3	(+)Z2	Cuttle Weir To River	790.8	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	1000.0
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+) A3	RPU Flow	13.5	(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	15.5
(+) B3	M/C #3 Penstock	22.3	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	17.9
(+) C3	SBVWCD Mill Creek Diversion	31.1	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	1.0
(Σ) D3	**Total MC Inflows**	66.9	(+)L3	East Weir (MC)	17.9	(+)S3	East Weir to Zanja	2.4
E3	M/C #1 Penstock Flow	35.8	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	35.8
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	31.1	U3	**Total MC Deliveries**	66.9
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	49.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.0	W3	Mill Creek PH #2,3 Afterbay Spill	1.5
						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	**395**		I4	**16,405**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**97**		K4	**5,932**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,324**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 30, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2315.28

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.8	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	989.2	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	1000.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	1000.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	1000.0	W1	Redlands Aqueduct / Sandbox	11.9	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	199.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	199.0
J1	[a]Big Bear Lake Release	0.3	(+)Z2	Cuttle Weir To River	790.2	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	1000.0
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	14.0
			(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	21.4
(+) A3	RPU Flow	14.8	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	0.0
(+) B3	M/C #3 Penstock	22.3	(+)L3	East Weir (MC)	21.4	(+)S3	East Weir to Zanja	1.7
(+) C3	SBVWCD Mill Creek Diversion	28.6	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	37.1
(Σ) D3	**Total MC Inflows**	65.7	(+)C3	Mill Creek Diversion (MC)	28.6	U3	**Total MC Deliveries**	65.7
E3	M/C #1 Penstock Flow	37.1	(Σ)O3	**SBVWCD Spreading**	50.0	V3	Zanja West Weir to CWC Canal	0.0
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	2.5
G3	Observation at Garnet Bridge	3.0						
H3			I3	Mentone Reser. Level (23.0)	20.8	Y3	Crafton Reser. Level (21.3)	18.6

SBVWCD Recharge

	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	**Santa Ana River**	**SAR**	E4	**395**		I4	**16,011**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**99**		K4	**5,835**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,314**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 29, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	989.6	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	1000.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	1000.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	1000.0	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	210.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	210.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	779.6	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	1000.0
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+) A3	RPU Flow	15.1	(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	12.5
(+) B3	M/C #3 Penstock	21.8	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	21.8
(+) C3	SBVWCD Mill Creek Diversion	33.2	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	0.6
(Σ) D3	**Total MC Inflows**	70.1	(+)L3	East Weir (MC)	21.8	(+)S3	East Weir to Zanja	2.6
E3	M/C #1 Penstock Flow	36.9	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	36.9
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	33.2	U3	**Total MC Deliveries**	70.1
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	55.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	19.7	W3	Mill Creek PH #2,3 Afterbay Spill	2.2
						Y3	Crafton Reser. Level (21.3)	19.0

SBVWCD Recharge

	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	330		I4	15,615	10,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	0	
B4	Santa Ana River	SWP	F4	0		J4	0	
C4	Mill Creek	MC	G4	109		K4	5,736	8,889
D4	Mill Creek	SWP	H4	10		L4	1,304	714
	SBVMWD	SWP		0			0	
	WMWD	SWP						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 28, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	260.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	270.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	270.4	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	270.4	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	260.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	260.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	270.4
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+) A3	RPU Flow	12.8	(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	12.5
(+) B3	M/C #3 Penstock	21.8	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	15.2
(+) C3	SBVWCD Mill Creek Diversion	35.8	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	70.4	(+)L3	East Weir (MC)	15.2	(+)S3	East Weir to Zanja	6.9
E3	M/C #1 Penstock Flow	34.6	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	34.6
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	35.8	U3	**Total MC Deliveries**	70.4
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	51.0	V3	Zanja West Weir to CWC 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)	18.0

SBVWCD Recharge

	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	**Santa Ana River**	**SAR**	E4	**1,547**		I4	**15,193**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**304**		K4	**5,627**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**30**		L4	**1,294**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 25, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	260.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	270.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	270.2	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	1.8	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	270.2	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	260.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	260.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	270.2
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+) A3	RPU Flow	12.6	(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	12.5
(+) B3	M/C #3 Penstock	21.5	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	16.2
(+) C3	SBVWCD Mill Creek Diversion	34.8	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	68.9	(+)L3	East Weir (MC)	16.2	(+)S3	East Weir to Zanja	5.4
E3	M/C #1 Penstock Flow	34.1	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	34.1
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	34.8	U3	**Total MC Deliveries**	68.9
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	51.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.6	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	516		I4	13,645	10,000
M4	**Santa Ana Rvr to Mill Creek**	SAR-MC	N4	0		O4	0	
B4	**Santa Ana River**	SWP	F4	0		J4	0	
C4	**Mill Creek**	MC	G4	101		K4	5,323	8,889
D4	**Mill Creek**	SWP	H4	10		L4	1,265	714
	SBVMWD	SWP		0			0	
	WMWD	SWP						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 24, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.3	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	260.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	270.3	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	270.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	1.9	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	270.3	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	260.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	260.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	270.3
L1	SCE SAR AVM (SCADA)	0.0						

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	13.5
(+) B3	M/C #3 Penstock	21.5	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	5.6
(+) C3	SBVWCD Mill Creek Diversion	45.4	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	66.9	(+)L3	East Weir (MC)	5.6	(+)S3	East Weir to Zanja	2.4
E3	M/C #1 Penstock Flow	21.5	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.5
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	45.4	U3	**Total MC Deliveries**	66.9
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	51.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.2	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**516**		I4	**13,130**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**67**		K4	**5,222**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,255**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 23, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	259.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	269.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	269.4	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	269.4	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	259.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	259.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	269.4
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.4	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	7.1
(+) C3	SBVWCD Mill Creek Diversion	43.9	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	65.3	(+)L3	East Weir (MC)	7.1	(+)S3	East Weir to Zanja	2.8
E3	M/C #1 Penstock Flow	21.4	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.4
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	43.9	U3	**Total MC Deliveries**	65.3
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	51.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.2	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**514**		I4	**12,614**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**89**		K4	**5,156**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,245**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 22, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	259.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	269.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	269.4	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	269.4	W1	Redlands Aqueduct / Sandbox	9.5	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	259.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	259.0
J1	[a]Big Bear Lake Release	100.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	269.4
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	20.2	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	5.4
(+) C3	SBVWCD Mill Creek Diversion	0.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	20.2	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	3.3
E3	M/C #1 Penstock Flow	20.2	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.2
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	0.0	U3	**Total MC Deliveries**	20.2
G3	Observation at Garnet Bridge	55.0	(Σ)O3	**SBVWCD Spreading**	0.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.4	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	514		I4	12,100	10,000
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	0		O4	0	
B4	**Santa Ana River**	**SWP**	F4	0		J4	0	
C4	**Mill Creek**	**MC**	G4	16		K4	5,066	8,889
D4	**Mill Creek**	**SWP**	H4	10		L4	1,235	714
	SBVMWD	**SWP**		0			0	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 21, 2011

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	[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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	259.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	269.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	1.8
(Σ)G1	**SubTotal 1+2 SAR Inflows**	269.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	1.4
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	1.8	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	269.6	W1	Redlands Aqueduct / Sandbox	6.7	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	259.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	3.2
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	259.0
J1	[a]Big Bear Lake Release	50.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	269.6
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	18.2	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	5.9
(+) C3	SBVWCD Mill Creek Diversion	32.8	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	0.8
(Σ) D3	**Total MC Inflows**	51.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	0.8
E3	M/C #1 Penstock Flow	18.2	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	18.2
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	0.0	U3	**Total MC Deliveries**	18.2
G3	Observation at Garnet Bridge	51.0	(Σ)O3	**SBVWCD Spreading**	0.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.3	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	512		I4	11,073	10,000
M4	**Santa Ana Rvr to Mill Creek**	SAR-MC	N4	0		O4	0	
B4	**Santa Ana River**	SWP	F4	0		J4	0	
C4	**Mill Creek**	MC	G4	194		K4	5,050	8,889
D4	**Mill Creek**	SWP	H4	30		L4	1,225	714
	SBVMWD	SWP		0			0	
	WMWD	SWP						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 18, 2011

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	[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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2327.72

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.3	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	258.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	268.3	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	2.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	268.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	1.5
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	268.3	W1	Redlands Aqueduct / Sandbox	7.9	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	258.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	3.5
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	258.0
J1	[a]Big Bear Lake Release	50.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	268.3
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	11.5
			(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.2
(+) A3	RPU Flow	0.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	3.0
(+) B3	M/C #3 Penstock	21.4	(+)L3	East Weir (MC)	6.2	(+)S3	East Weir to Zanja	3.7
(+) C3	SBVWCD Mill Creek Diversion	41.8	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.4
(Σ) D3	**Total MC Inflows**	63.2	(+)C3	Mill Creek Diversion (MC)	41.8	U3	**Total MC Deliveries**	63.2
E3	M/C #1 Penstock Flow	21.4	(Σ)O3	**SBVWCD Spreading**	48.0	V3	Zanja West Weir to CWC Canal	0.0
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
G3	Observation at Garnet Bridge	3.0						
H3			I3	Mentone Reser. Level (23.0)	21.6	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	**512**		I4	**10,049**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**95**		K4	**4,856**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,195**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 17, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2328.30

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	258.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	268.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	2.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	268.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	1.5
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	268.6	W1	Redlands Aqueduct / Sandbox	8.2	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	258.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	3.5
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	258.0
J1	[a]Big Bear Lake Release	50.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	268.6
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.4	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.0
(+) C3	SBVWCD Mill Creek Diversion	38.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	3.0
(Σ) D3	**Total MC Inflows**	59.4	(+)L3	East Weir (MC)	6.0	(+)S3	East Weir to Zanja	3.9
E3	M/C #1 Penstock Flow	21.4	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.4
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	38.0	U3	**Total MC Deliveries**	59.4
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	44.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.3	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	512		I4	9,538	10,000
M4	**Santa Ana Rvr to Mill Creek**	SAR-MC	N4	0		O4	0	
B4	**Santa Ana River**	SWP	F4	0		J4	0	
C4	**Mill Creek**	MC	G4	81		K4	4,761	8,889
D4	**Mill Creek**	SWP	H4	10		L4	1,185	714
	SBVMWD	SWP		0			0	
	WMWD	SWP						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 16, 2011

Time: 7:30

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

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
(+)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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	259.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	269.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	1.8
(Σ)G1	**SubTotal 1+2 SAR Inflows**	269.4	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.4	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	269.4	W1	Redlands Aqueduct / Sandbox	9.3	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	259.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.8
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	259.0
J1	[a]Big Bear Lake Release	50.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	269.4
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.6	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.4
(+) C3	SBVWCD Mill Creek Diversion	34.6	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.1
(Σ) D3	**Total MC Inflows**	56.2	(+)L3	East Weir (MC)	6.4	(+)S3	East Weir to Zanja	3.7
E3	M/C #1 Penstock Flow	21.6	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.6
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	34.6	U3	**Total MC Deliveries**	56.2
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	41.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.8	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	514		I4	9,026	10,000
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	0		O4	0	
B4	**Santa Ana River**	**SWP**	F4	0		J4	0	
C4	**Mill Creek**	**MC**	G4	81		K4	4,673	8,889
D4	**Mill Creek**	**SWP**	H4	10		L4	1,175	714
	SBVMWD	**SWP**		0			0	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 15, 2011

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	[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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2328.80

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.3	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	258.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	268.3	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	1.8
(Σ)G1	**SubTotal 1+2 SAR Inflows**	268.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.9	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	268.3	W1	Redlands Aqueduct / Sandbox	6.7	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	258.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.8
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	258.0
J1	[a]Big Bear Lake Release	50.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	268.3
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	20.5	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	5.5
(+) C3	SBVWCD Mill Creek Diversion	35.5	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.1
(Σ) D3	**Total MC Inflows**	56.0	(+)L3	East Weir (MC)	5.5	(+)S3	East Weir to Zanja	3.5
E3	M/C #1 Penstock Flow	20.5	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.5
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	35.5	U3	**Total MC Deliveries**	56.0
G3	Observation at Garnet Bridge	3.0	(Σ)O3	**SBVWCD Spreading**	41.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.7	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	512		I4	8,512	10,000
M4	**Santa Ana Rvr to Mill Creek**	SAR-MC	N4	0		O4	0	
B4	**Santa Ana River**	SWP	F4	0		J4	0	
C4	**Mill Creek**	MC	G4	81		K4	4,592	8,889
D4	**Mill Creek**	SWP	H4	10		L4	1,165	714
	SBVMWD	SWP		0			0	
	WMWD	SWP						

Santa Ana River-Mill Creek Cooperative Water Project

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State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	11.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	256.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	267.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	267.2	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.2	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	267.2	W1	Redlands Aqueduct / Sandbox	7.1	(+)K2	Northfork Parshall Flume	3.0
H1	SBVWCD Diversion	256.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	3.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	259.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	267.2
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	11.5
			(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	5.7
(+) A3	RPU Flow	0.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(+) B3	M/C #3 Penstock	20.7	(+)L3	East Weir (MC)	5.7	(+)S3	East Weir to Zanja	3.5
(+) C3	SBVWCD Mill Creek Diversion	33.3	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.7
(Σ) D3	**Total MC Inflows**	54.0	(+)C3	Mill Creek Diversion (MC)	33.3	U3	**Total MC Deliveries**	54.0
E3	M/C #1 Penstock Flow	20.7	(Σ)O3	**SBVWCD Spreading**	39.0	V3	Zanja West Weir to CWC Canal	0.0
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
G3	Observation at Garnet Bridge	3.0						
H3			I3	Mentone Reser. Level (23.0)	21.1	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	514		I4	8,000	10,000
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	0		O4	0	
B4	**Santa Ana River**	**SWP**	F4	0		J4	0	
C4	**Mill Creek**	**MC**	G4	77		K4	4,511	8,889
D4	**Mill Creek**	**SWP**	H4	30		L4	1,156	714
	SBVMWD	**SWP**		0			0	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

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State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation n/a — **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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	268.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	278.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	278.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.7	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	278.6	W1	Redlands Aqueduct / Sandbox	7.1	(+)K2	Northfork Parshall Flume	1.9
H1	SBVWCD Diversion	266.1	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.9
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	268.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	276.7
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.7	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.7
(+) C3	SBVWCD Mill Creek Diversion	32.3	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	1.5
(Σ) D3	**Total MC Inflows**	54.0	(+)L3	East Weir (MC)	6.7	(+)S3	East Weir to Zanja	3.5
E3	M/C #1 Penstock Flow	21.7	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.7
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	32.3	U3	**Total MC Deliveries**	54.0
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	39.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.4	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	532		I4	6,453	10,000
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	0		O4	0	
B4	**Santa Ana River**	**SWP**	F4	0		J4	0	
C4	**Mill Creek**	**MC**	G4	77		K4	4,279	8,889
D4	**Mill Creek**	**SWP**	H4	10		L4	1,126	714
	SBVMWD	**SWP**		0			0	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

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State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2332.40

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	11.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	269.1	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	280.3	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	280.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	3.3	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	280.3	W1	Redlands Aqueduct / Sandbox	7.1	(+)K2	Northfork Parshall Flume	1.9
H1	SBVWCD Diversion	269.1	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.9
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	271.0
J1	[a]Big Bear Lake Release	10.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	280.3
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.8	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	8.9
(+) C3	SBVWCD Mill Creek Diversion	30.1	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	51.9	(+)L3	East Weir (MC)	8.9	(+)S3	East Weir to Zanja	1.4
E3	M/C #1 Penstock Flow	21.8	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.8
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	30.1	U3	**Total MC Deliveries**	51.9
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	39.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.0	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**538**		I4	**5,922**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**77**		K4	**4,201**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,106**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 9, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2333.90

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	269.1	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	279.3	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	279.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	2.4	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	279.3	W1	Redlands Aqueduct / Sandbox	7.0	(+)K2	Northfork Parshall Flume	1.9
H1	SBVWCD Diversion	269.1	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.9
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	271.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	279.3
L1	SCE SAR AVM (SCADA)	0.0						

Mill Creek

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	11.5
			(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	7.1
(+) A3	RPU Flow	0.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(+) B3	M/C #3 Penstock	21.6	(+)L3	East Weir (MC)	7.1	(+)S3	East Weir to Zanja	3.0
(+) C3	SBVWCD Mill Creek Diversion	31.9	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.6
(Σ) D3	**Total MC Inflows**	53.5	(+)C3	Mill Creek Diversion (MC)	31.9	U3	**Total MC Deliveries**	53.5
E3	M/C #1 Penstock Flow	21.6	(Σ)O3	**SBVWCD Spreading**	39.0	V3	Zanja West Weir to CWC Canal	0.0
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
G3	Observation at Garnet Bridge	2.0						
H3			I3	Mentone Reser. Level (23.0)	21.2	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	**538**		I4	**5,384**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**77**		K4	**4,124**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,106**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 8, 2011

Time: 7:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2334.60

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	11.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	266.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	277.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	277.2	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	5.2	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	277.2	W1	Redlands Aqueduct Weir	7.1	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	266.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	266.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	277.2
L1	SCE SAR AVM (SCADA)	0.0						

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	11.5
(+) B3	M/C #3 Penstock	21.1	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.6
(+) C3	SBVWCD Mill Creek Diversion	32.4	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	53.5	(+)L3	East Weir (MC)	6.6	(+)S3	East Weir to Zanja	3.0
E3	M/C #1 Penstock Flow	21.1	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.1
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	32.4	U3	**Total MC Deliveries**	53.5
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	39.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.2	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**528**		I4	**4,847**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**77**		K4	**4,047**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,096**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 7, 2011

Time: 7:30

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	10.8	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	266.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	276.8	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	276.8	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	4.8	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	276.8	W1	Redlands Aqueduct Weir	7.1	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	266.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	266.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	276.8
L1	SCE SAR AVM (SCADA)	0.0						

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	15.7
(+) B3	M/C #3 Penstock	21.6	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+) C3	SBVWCD Mill Creek Diversion	32.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	53.6	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	5.9
E3	M/C #1 Penstock Flow	21.6	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.6
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	32.0	U3	**Total MC Deliveries**	53.6
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	32.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	21.0	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**1,586**		I4	**4,319**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**190**		K4	**3,969**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**30**		L4	**1,086**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 4, 2011

Time: 9:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation N/A

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	1.3	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	277.7	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	279.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	279.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	279.0	W1	Redlands Aqueduct Weir	1.1	(+)K2	Northfork Parshall Flume	1.3
H1	SBVWCD Diversion	275.7	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	1.3
I1	Redlands Tunnel	1.1	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	277.0
J1	[a]Big Bear Lake Release	25.0	(+)Z2	Cuttle Weir To River	2.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	N/A				(Σ)N2	[1)]**Total SAR Deliveries**	279.0
L1	SCE SAR AVM (SCADA)	0.0						

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	12.4
(+) B3	M/C #3 Penstock	21.5	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	6.5
(+) C3	SBVWCD Mill Creek Diversion	26.5	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	48.0	(+)L3	East Weir (MC)	6.5	(+)S3	East Weir to Zanja	2.6
E3	M/C #1 Penstock Flow	21.5	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.5
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	26.5	U3	**Total MC Deliveries**	48.0
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	33.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	20.1	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**332**		I4	**2,739**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4	**0**	
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**69**		K4	**3,779**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**10**		L4	**1,047**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 3, 2011

Time: 9:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	5.0	(+)T	[1]Newport for BVMWC	0.0
(+)F	Recharge Project	5.0	(+)M	[1]Crafton Unger Lane	0.0	(+)U	[1]M/C spreading @ ZT	0.0
(Σ)G	**Total SWP Inflows**	5.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	5.0

Santa Ana River

SOD Reservoir Elevation 2336.50

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	0.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	0.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	0.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	0.0	W1	Redlands Aqueduct Weir	1.0	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	0.0
J1	[a]Big Bear Lake Release	65.0	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	0.0				(Σ)N2	[1)]**Total SAR Deliveries**	0.0
L1	SCE SAR AVM (SCADA)	0.0						

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	9.0
(+) B3	M/C #3 Penstock	21.7	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	9.2
(+) C3	SBVWCD Mill Creek Diversion	23.8	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	45.5	(+)L3	East Weir (MC)	9.2	(+)S3	East Weir to Zanja	3.5
E3	M/C #1 Penstock Flow	21.7	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.7
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	23.8	U3	**Total MC Deliveries**	45.5
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	33.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	19.1	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						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	**0**		I4	**2,402**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4		
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**59**		K4	**3,710**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**0**		L4	**1,047**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 2, 2011

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	[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	0.0	(+)L	[1]Redlands Aqueduct	0.0	(+)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**	0.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	0.0

Santa Ana River

SOD Reservoir Elevation 2335.00

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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	0.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	10.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	10.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	0.0
(Σ)G1	**SubTotal 1+2 SAR Inflows**	10.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	10.0	W1	Redlands Aqueduct Weir	0.0	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	0.0
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	1.0	(+) L2	**SBVWCD Parshall FlumeTo Basins**	0.0
J1	[a]Big Bear Lake Release	69.0	(+)Z2	Cuttle Weir To River	10.0	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	0.0				(Σ)N2	[1)]**Total SAR Deliveries**	10.0
L1	SCE SAR AVM (SCADA)	0.0						

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	16.0
(+) B3	M/C #3 Penstock	20.6	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+) C3	SBVWCD Mill Creek Diversion	26.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	46.6	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	4.6
E3	M/C #1 Penstock Flow	20.6	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.6
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	26.0	U3	**Total MC Deliveries**	46.6
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	26.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	19.7	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						Y3	Crafton Reser. Level (21.3)	20.4

SBVWCD Recharge

	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	**Santa Ana River**	**SAR**	E4	**0**		I4	**2,402**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4		
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**54**		K4	**3,651**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**0**		L4	**1,047**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						

Santa Ana River-Mill Creek Cooperative Water Project

Daily Flow Report

Date: March 1, 2011

Time: 6:00

State Water Project

	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries (continued)	Flow Rate (cfs)
(+)A	BBMWD In-lieu	0.0	(+)H	[1]EVWD Treatment Plant	0.0	(+)P	[1]SARC West	0.0
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	[1]Santa Ana Low Turnout	0.0	(+)Q	[1]Zanja	0.0
(+)C	Exchange Water	0.0	(+)J	[1]Northfork Canal	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	0.0	(+)L	[1]Redlands Aqueduct	0.0	(+)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**	0.0	(+)N	[1]BVMWC Boullioun Box	0.0	(Σ)V	**Total SWP Deliveries**	0.0

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
(+)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
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)(Σ)D2	Boullioun Box Weir	0.0
A4	**SAR Inflow-SubTotal-1**	0.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	2.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	2261.4	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	**BVMWC Highline**	0.0
Z1	**SOD ReleaseSubTotal D1+E1**	2264.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	2.6
(Σ)G1	**SubTotal 1+2 SAR Inflows**	2264.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal	0.0
(-)D1a	If BV p/u gated,divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve	0.0
(Σ)A5	**Total SAR Inflows**	2264.0	W1	Redlands Aqueduct Weir	0.0	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	3.8	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	**Tailrace Pipeline**	2.6
I1	Redlands Tunnel	1.2	Y1	Redlands Sandbox Spill	1.2	(+) L2	**SBVWCD Parshall FlumeTo Basins**	3.8
J1	[a]Big Bear Lake Release	69.0	(+)Z2	Cuttle Weir To River	2257.6	(Σ) C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	0.0				(Σ)N2	[1)]**Total SAR Deliveries**	2264.0
L1	SCE SAR AVM (SCADA)	0.0						

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	14.6
(+) B3	M/C #3 Penstock	19.5	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+) C3	SBVWCD Mill Creek Diversion	26.0	(Σ)K3	**Yucaipa Pipeline**	0.0	(+)R3	Boullioun to BVMWC Highline	2.0
(Σ) D3	**Total MC Inflows**	45.5	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	4.9
E3	M/C #1 Penstock Flow	19.8	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	19.5
F3	Stream Parshall Flume to Yucaipa	0.0	(+)C3	Mill Creek Diversion (MC)	26.0	U3	**Total MC Deliveries**	45.5
G3	Observation at Garnet Bridge	2.0	(Σ)O3	**SBVWCD Spreading**	26.0	V3	Zanja West Weir to CWC Canal	0.0
H3			I3	Mentone Reser. Level (23.0)	19.4	W3	Mill Creek PH #2,3 Afterbay Spill	0.0
						Y3	Crafton Reser. Level (21.3)	19.8

SBVWCD Recharge

	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	**Santa Ana River**	**SAR**	E4	**145**		I4	**2,401**	**10,000**
M4	**Santa Ana Rvr to Mill Creek**	**SAR-MC**	N4	**0**		O4		
B4	**Santa Ana River**	**SWP**	F4	**0**		J4	**0**	
C4	**Mill Creek**	**MC**	G4	**58**		K4	**3,598**	**8,889**
D4	**Mill Creek**	**SWP**	H4	**3**		L4	**1,047**	**714**
	SBVMWD	**SWP**		**0**			**0**	
	WMWD	**SWP**						