

Santa Ana River-Mill Creek Cooperative Water Project									
						Date: December 29, 2011			
						Time: 0745			
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				
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	0.0	
Santa Ana River				SOD Reservoir Elevation	2185.34		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+A1)	PH #3 Penstock (CALC)	21.2	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	1.8	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	1.7	
(+F1)	Greenspot Spill	1.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	25.7	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	6.0	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	6.0	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.1	
(Σ)G1	SubTotal 1+2 SAR Inflows	31.7	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.1	
(-D1)a	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	0.0	(+J2)	Tailrace Valve	0.0	
(Σ)A5	Total SAR Inflows	31.7	W1	Redlands Aqueduct / Sandbox	21.5	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	7.2	
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	31.7	
L1	SCE SAR AVM (SCADA)	29.5							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	0.0
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	14.8
(+A3)	RPU Flow	9.7	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	11.4	(+L3)	East Weir (MC)	14.8	(+S3)	East Weir to Zanja	6.3	
(+C3)	SBVWCD Mill Creek Diversion	0.2	(+M3)	BVHL (SAR)		(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.1	
(Σ)D3	Total MC Inflows	21.3	(+C3)	Mill Creek Diversion (MC)	0.2	U3	Total MC Deliveries	21.3	
E3	M/C #1 Penstock Flow	21.1	(Σ)O3	SBVWCD Spreading	15.0	V3	Zanja West Weir to CWC Canal	4.9	
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)	21.5	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	0	I4	692	10400/50000		
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	30	K4	1,630	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
Daily Flow Report						Date: December 28, 2011			
						Time: 0745			
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				
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	0.0	
Santa Ana River				SOD Reservoir Elevation	2185.09		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+A1)	PH #3 Penstock (CALC)	20.4	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	1.4	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	2.1	
(+F1)	Greenspot Spill	1.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	24.9	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	5.9	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	5.9	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.6	
(Σ)G1	SubTotal 1+2 SAR Inflows	30.8	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.1	
(-D1)a	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	30.8	W1	Redlands Aqueduct / Sandbox	20.1	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	7.7	
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	30.8	
L1	SCE SAR AVM (SCADA)	29.6							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	0.0
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	14.5
(+A3)	RPU Flow	9.5	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	10.5	(+L3)	East Weir (MC)	14.5	(+S3)	East Weir to Zanja	5.5	
(+C3)	SBVWCD Mill Creek Diversion	0.5	(+M3)	BVHL (SAR)		(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.0	
(Σ)D3	Total MC Inflows	20.5	(+C3)	Mill Creek Diversion (MC)	0.5	U3	Total MC Deliveries	20.5	
E3	M/C #1 Penstock Flow	20.0	(Σ)O3	SBVWCD Spreading	15.0	V3	Zanja West Weir to CWC Canal	3.3	
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)	20.4	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	0	I4	692	10400/50000		
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	26	K4	1,600	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
Daily Flow Report						Date: December 27, 2011			
						Time: 0745			
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				
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	0.0	
Santa Ana River				SOD Reservoir Elevation	2184.83		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+A1)	PH #3 Penstock (CALC)	22.1	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	0.9	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	2.6	
(+F1)	Greenspot Spill	1.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	26.6	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	6.0	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	6.0	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	7.9	
(Σ)G1	SubTotal 1+2 SAR Inflows	32.6	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.2	
(-D1)a	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	32.6	W1	Redlands Aqueduct / Sandbox	20.5	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	9.1	
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	32.6	
L1	SCE SAR AVM (SCADA)	30.0							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	13.5
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	8.4
(+A3)	RPU Flow	8.3	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	13.6	(+L3)	East Weir (MC)	8.4	(+S3)	East Weir to Zanja	0.0	
(+C3)	SBVWCD Mill Creek Diversion	1.6	(+M3)	BVHL (SAR)		(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.9	
(Σ)D3	Total MC Inflows	23.5	(+C3)	Mill Creek Diversion (MC)	1.6	U3	Total MC Deliveries	23.5	
E3	M/C #1 Penstock Flow	21.9	(Σ)O3	SBVWCD Spreading	10.0	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)	19.9	Y3	Crafton Reser. Level (21.3)	17.8	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)			WY To Date (AF)	Target	
A4	Santa Ana River	SAR	E4	0	I4	692	10400/50000		
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	1,570	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
						Date: December 22, 2011			
						Time: 0745			
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				
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	0.0	
Santa Ana River				SOD Reservoir Elevation	2183.53		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+A1)	PH #3 Penstock (CALC)	24.5	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	1.3	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	2.2	
(+F1)	Greenspot Spill	1.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	29.0	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	6.0	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	6.0	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.3	
(Σ)G1	SubTotal 1+2 SAR Inflows	35.0	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.1	
(-D1)a	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	35.0	W1	Redlands Aqueduct / Sandbox	22.7	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	7.4	
I1	Redlands Tunnel	0.6	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹ Total SAR Deliveries	35.0	
L1	SCE SAR AVM (SCADA)	31.7							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	7.7
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	11.8
(+A3)	RPU Flow	9.2	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	12.2	(+L3)	East Weir (MC)	11.8	(+S3)	East Weir to Zanja	1.9	
(+C3)	SBVWCD Mill Creek Diversion	0.2	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.4	
(Σ)D3	Total MC Inflows	21.6	(+C3)	Mill Creek Diversion (MC)	0.2	U3	Total MC Deliveries	21.6	
E3	M/C #1 Penstock Flow	21.4	(Σ)O3	SBVWCD Spreading	12.0	V3	Zanja West Weir to CWC Canal	0.8	
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)	19.6	Y3	Crafton Reser. Level (21.3)	16.5	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)			WY To Date (AF)	Target	
A4	Santa Ana River	SAR	E4	0	I4	692	10400/50000		
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	24	K4	1,471	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
				Daily Flow Report		Date: December 21, 2011			
						Time: 0745			
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			0.0	
				Observation at SOD	NA	(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)	25.8	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	2.0	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	1.5	
(+F1)	Greenspot Spill	2.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	31.3	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	5.1	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	5.1	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.3	
(Σ)G1	SubTotal 1+2 SAR Inflows	36.4	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.1	
(-D1)a	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	1.0	(+J2)	Tailrace Valve	0.0	
(Σ)A5	Total SAR Inflows	36.4	W1	Redlands Aqueduct / Sandbox	17.1	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	7.4	
I1	Redlands Tunnel	0.6	Y1	Redlands Sandbox Spill	8.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	36.4	
L1	SCE SAR AVM (SCADA)	31.7							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	7.7
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	11.5
(+A3)	RPU Flow	11.2	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	11.8	(+L3)	East Weir (MC)	11.5	(+S3)	East Weir to Zanja	3.8	
(+C3)	SBVWCD Mill Creek Diversion	0.5	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	23.0	
(Σ)D3	Total MC Inflows	23.5	(+C3)	Mill Creek Diversion (MC)	0.5	U3	Total MC Deliveries	23.5	
E3	M/C #1 Penstock Flow	23.0	(Σ)O3	SBVWCD Spreading	12.0	V3	Zanja West Weir to CWC Canal	1.2	
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)	19.3	Y3	Crafton Reser. Level (21.3)	17.5	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)			WY To Date (AF)	Target	
A4	Santa Ana River	SAR	E4	0	I4	692	10400/50000		
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	24	K4	1,447	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
						Date: December 20, 2011			
						Time: 0745			
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				
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	0.0	
Santa Ana River				SOD Reservoir Elevation	2182.99		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+A1)	PH #3 Penstock (CALC)	25.4	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	2.2	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	1.3	
(+F1)	Greenspot Spill	0.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	28.9	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	3.2	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	3.2	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.3	
(Σ)G1	SubTotal 1+2 SAR Inflows	32.1	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.0	
(-D1)a	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	32.1	W1	Redlands Aqueduct / Sandbox	13.9	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	7.3	
I1	Redlands Tunnel	0.6	Y1	Redlands Sandbox Spill	8.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	32.1	
L1	SCE SAR AVM (SCADA)	31.3							
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	7.7
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	11.5
(+A3)	RPU Flow	11.5	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	11.2	(+L3)	East Weir (MC)	11.5	(+S3)	East Weir to Zanja	3.5	
(+C3)	SBVWCD Mill Creek Diversion	0.5	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	22.7	
(Σ)D3	Total MC Inflows	23.2	(+C3)	Mill Creek Diversion (MC)	0.5	U3	Total MC Deliveries	23.2	
E3	M/C #1 Penstock Flow	22.7	(Σ)O3	SBVWCD Spreading	12.0	V3	Zanja West Weir to CWC Canal	1.7	
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)	20.8	Y3	Crafton Reser. Level (21.3)	18.4	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)			WY To Date (AF)	Target	
A4	Santa Ana River	SAR	E4	2	I4	691	10400/50000		
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	24	K4	1,424	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
				Daily Flow Report		Date: December 19, 2011			
						Time: 0745			
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			0.0	
				Observation at SOD	NA	(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)	29.1	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+B2)	Gay Overflow	1.4	
(+C1)	Greenspot Pipeline	0.0	(+O1)	Newport for BVMWC	0.0	(+C2)	Irrigation	2.1	
(+F1)	Greenspot Spill	0.0	(+P1)	SBVWCD Mill Creek Spreading	0.0	(+Σ)D2	Boullioun Box Weir	3.5	
A4	SAR Inflow-SubTotal-1	32.6	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	3.2	(+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	3.5	
Z1	SOD ReleaseSubTotal D1+E1	3.2	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.1	
(Σ)G1	SubTotal 1+2 SAR Inflows	35.8	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	1.0	
(-D1)a	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	0.0	(+J2)	Tailrace Valve	4.0	
(Σ)A5	Total SAR Inflows	35.8	W1	Redlands Aqueduct / Sandbox	21.8	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	11.1	
I1	Redlands Tunnel	0.6	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	4.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	35.8	
L1	SCE SAR AVM (SCADA)	34.5							
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	10.5
	Inflows	Flow Rate (cfs)	(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	9.5	
(+A3)	RPU Flow	9.0	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	11.5	(+L3)	East Weir (MC)	9.5	(+S3)	East Weir to Zanja	0.5	
(+C3)	SBVWCD Mill Creek Diversion	0.5	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	20.5	
(Σ)D3	Total MC Inflows	21.0	(+C3)	Mill Creek Diversion (MC)	0.5	U3	Total MC Deliveries	21.0	
E3	M/C #1 Penstock Flow	20.5	(Σ)O3	SBVWCD Spreading	10.0	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)	19.7	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	22	I4	690	10400/50000		
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	60	K4	1,400	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project								
Daily Flow Report						Date: December 16, 2011		
						Time: 0800		
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
Observation at SOD				NA	SOD Reservoir Elevation			2200.00
Santa Ana River				NA	Debris Pool Elevation			2200.00
Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+)A1	PH #3 Penstock (CALC)	29.6	(+)M1	SBCFCD Grove	0.0	(+)A2	Newport	0.0
(+)B1	BVMWC Highline	3.5	1.0	BVMWC Highline	0.0	(+)B2	Gay Overflow	1.8
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation	1.7
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir	3.5
A4	SAR Inflow-SubTotal-1	33.1	(+)Q1	Crafton WC Unger Lane	0.0	(+)E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	3.3	(+)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	3.5
Z1	SOD ReleaseSubTotal D1+E1	3.3	(+)T1	Tate Pump Station to Zanja	0.0	(+)G2	Northfork Canal Weir	5.8
(Σ)G1	SubTotal 1+2 SAR Inflows	36.4	(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	4.0	(+)J2	Tailrace Valve	0.0
(Σ)A5	Total SAR Inflows	36.4	W1	Redlands Aqueduct / Sandbox	17.8	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	5.8
I1	Redlands Tunnel	0.7	Y1	Redlands Sandbox Spill	6.0	(+)L2	SBVWCD Parshall FlumeTo Basins	0.0
J1	^a Big Bear Lake Release	1.7	(+)Z2	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹ Total SAR Deliveries	36.4
L1	SCE SAR AVM (SCADA)	35.4						
Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	
(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	10.0			
(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	7.1			
(+)A3	RPU Flow	3.9	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline	0.0
(+)B3	M/C #3 Penstock	13.2	(+)L3	East Weir (MC)	7.1	(+)S3	East Weir to Zanja	0.0
(+)C3	SBVWCD Mill Creek Diversion	1.9	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	17.1
(Σ)D3	Total MC Inflows	19.0	(+)C3	Mill Creek Diversion (MC)	1.9	U3	Total MC Deliveries	19.0
E3	M/C #1 Penstock Flow	17.1	(Σ)O3	SBVWCD Spreading	9.0	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)	22.5	Y3	Crafton Reser. Level (21.3)	17.4
SBVWCD Recharge								
Location	Type		Previous Day (AF)		WY To Date (AF)	Target		
A4	Santa Ana River	SAR	E4	0	I4	668	10400/50000	
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	18	K4	1,340	18,000	
D4	Mill Creek	SWP	H4	0	L4	0	714	
	SBVMWD	SWP		0		0		
	WMWD	SWP						
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸	0
	Mill Creek Passing Garnet	MC	3	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹	3
	Flow in the River Above Alabama	Total	3	Flowing Beyond Alabama	0		Total River Recharge	3

Santa Ana River-Mill Creek Cooperative Water Project									
						Date: December 15, 2011			
						Time: 0745			
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	2.9	(+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	2.9	(+N)	¹ BVMWC Boullioun Box	2.9			0.0	
				Observation at SOD	NA	(Σ)V	Total SWP Deliveries	2.9	
Santa Ana River				SOD Reservoir Elevation	2181.52		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A1)	PH #3 Penstock (CALC)	24.4	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	0.0	1.0	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	24.4	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	3.8	(+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	3.8	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	5.7	
(Σ)G1	SubTotal 1+2 SAR Inflows	28.2	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	0.0	
(-D1)a	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	28.2	W1	Redlands Aqueduct / Sandbox	23.2	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	5.7	
I1	Redlands Tunnel	0.7	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.7	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	28.2	
L1	SCE SAR AVM (SCADA)	28.3							
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	11.0
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	10.5
(+A3)	RPU Flow	8.4	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	13.3	(+L3)	East Weir (MC)	10.5	(+S3)	East Weir to Zanja	0.2	
(+C3)	SBVWCD Mill Creek Diversion	0.5	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	21.7	
(Σ)D3	Total MC Inflows	22.2	(+C3)	Mill Creek Diversion (MC)	0.5	U3	Total MC Deliveries	22.2	
E3	M/C #1 Penstock Flow	21.7	(Σ)O3	SBVWCD Spreading	11.0	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)	22.5	Y3	Crafton Reser. Level (21.3)	18.4	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target		
A4	Santa Ana River	SAR	E4	0	I4	668	10400/50000		
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	20	K4	1,322	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
				Daily Flow Report		Date: December 7, 2011			
						Time: 0815			
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	9.9	(+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	7.0	(+U)	¹ M/C spreading @ ZT	0.0	
(Σ)G	Total SWP Inflows	9.9	(+N)	¹ BVMWC Boullioun Box	2.9			0.0	
				Observation at SOD	2179.20	(Σ)V	Total SWP Deliveries	9.9	
Santa Ana River				SOD Reservoir Elevation	2179.06		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A1)	PH #3 Penstock (CALC)	30.3	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	0.0	1.0	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	30.3	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	3.3	(+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	3.3	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.6	
(Σ)G1	SubTotal 1+2 SAR Inflows	33.6	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	0.0	
(-D1)a	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	4.0	(+J2)	Tailrace Valve	0.0	
(Σ)A5	Total SAR Inflows	33.6	W1	Redlands Aqueduct / Sandbox	23.5	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	6.6	
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.2	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹⁾ Total SAR Deliveries	33.6	
L1	SCE SAR AVM (SCADA)	34.8							
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	12.1
	Inflows	Flow Rate (cfs)	(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	0.0	
(+A3)	RPU Flow	11.3	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	3.4	(+L3)	East Weir (MC)	0.0	(+S3)	East Weir to Zanja	2.6	
(+C3)	SBVWCD Mill Creek Diversion	5.0	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	14.7	
(Σ)D3	Total MC Inflows	19.7	(+C3)	Mill Creek Diversion (MC)	5.0	U3	Total MC Deliveries	19.7	
E3	M/C #1 Penstock Flow	14.7	(Σ)O3	SBVWCD Spreading	5.0	V3	Zanja West Weir to CWC Canal	8.9	
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)	19.1	Y3	Crafton Reser. Level (21.3)	15.9	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target		
A4	Santa Ana River	SAR	E4	0	I4	668	10400/50000		
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	10	K4	1,226	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	

Santa Ana River-Mill Creek Cooperative Water Project									
						Date: December 6, 2011			
						Time: 0745			
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	2.9	(+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	2.9	(+N)	¹ BVMWC Boullioun Box	2.9			0.0	
				Observation at SOD	2178.95	(Σ)V	Total SWP Deliveries	2.9	
Santa Ana River				SOD Reservoir Elevation	2178.80		Debris Pool Elevation	2200.00	
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
(+A1)	PH #3 Penstock (CALC)	30.9	(+M1)	SBCFCD Grove	0.0	(+A2)	Newport	0.0	
(+B1)	BVMWC Highline	0.0	1.0	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	30.9	(+Q1)	Crafton WC Unger Lane	0.0	(+E2)	Boullioun Box to Zanja	0.0	
(+D1)	BVMWC Rvr PU-USGS, Flume	3.3	(+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	3.3	(+T1)	Tate Pump Station to Zanja	0.0	(+G2)	Northfork Canal Weir	6.4	
(Σ)G1	SubTotal 1+2 SAR Inflows	34.2	(Σ)C1	Greenspot Pipeline	0.0	(+H2)	Edwards Canal	0.0	
(-D1)a	If BV p/u gated, divert to SAR= "Y"		(+V1)	PH#3 Afterbay SpillLoss to SAR	4.0	(+J2)	Tailrace Valve	0.0	
(Σ)A5	Total SAR Inflows	34.2	W1	Redlands Aqueduct / Sandbox	24.3	(+K2)	Northfork Parshall Flume	0.0	
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ)I2	Tailrace Pipeline	6.4	
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+L2)	SBVWCD Parshall FlumeTo Basins	0.0	
J1	^a Big Bear Lake Release	1.2	(+Z2)	Cuttle Weir To River	0.0	(Σ)C1	Greenspot Pipeline	0.0	
K1	PH#3 Penstock (SCADA)	NA				(Σ)N2	¹ Total SAR Deliveries	34.2	
L1	SCE SAR AVM (SCADA)	34.0							
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)		
Mill Creek				(+J3)	Yucaipa Regional Park	0.0	(+P3)	Tate Inflow	8.8
	Inflows	Flow Rate (cfs)		(+J3)	Wilson Creek Spreading	0.0	(+Q3)	East Weir to Mill Creek	0.0
(+A3)	RPU Flow	9.2	(Σ)K3	Yucaipa Pipeline	0.0	(+R3)	Boullioun to BVMWC Highline	0.0	
(+B3)	M/C #3 Penstock	0.0	(+L3)	East Weir (MC)	0.0	(+S3)	East Weir to Zanja	0.4	
(+C3)	SBVWCD Mill Creek Diversion	7.0	(+M3)	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	9.2	
(Σ)D3	Total MC Inflows	16.2	(+C3)	Mill Creek Diversion (MC)	7.0	U3	Total MC Deliveries	16.2	
E3	M/C #1 Penstock Flow	9.2	(Σ)O3	SBVWCD Spreading	7.0	V3	Zanja West Weir to CWC Canal	NA	
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)	19.9	Y3	Crafton Reser. Level (21.3)	14.0	
SBVWCD Recharge									
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target		
A4	Santa Ana River	SAR	E4	0	I4	668	10400/50000		
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	14	K4	1,216	18,000		
D4	Mill Creek	SWP	H4	0	L4	0	714		
	SBVMWD	SWP		0		0			
	WMWD	SWP							
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge¹⁸	0	
	Mill Creek Passing Garnet	MC	2	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge¹⁹	2	
	Flow in the River Above Alabama	Total	2	Flowing Beyond Alabama	0		Total River Recharge	2	