

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 1, 2015
							Time: 0830
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.50	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	10.7	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	5.4	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	16.1	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	4.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	4.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	20.7	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	20.7	W1	Redlands Aqueduct / Sandbox	9.8	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	11.1				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	17.6					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.1	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	7.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	10.1	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	10.1	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.4	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0		I4	941
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			714
	WMWD	SWP					0
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 2, 2015
							Time: 0715
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.50	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	7.1	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	5.7	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.2	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	13.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	4.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	4.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	17.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	17.6	W1	Redlands Aqueduct / Sandbox	6.4	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	8.3				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	15.5					17.6
				Deliveries	Flow Rate (cfs)	Deliveries	8
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.2	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	7.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	10.2	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	10.2	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.5	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 3, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.50	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	8.2	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	5.7	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.2	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	14.1	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	4.6	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	4.6	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	18.7	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	18.7	W1	Redlands Aqueduct / Sandbox	7.5	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	10.6				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	17.5					18.7
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.2	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.6	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.8	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.6	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 6, 2015
							Time: 0730
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	2192.00	(Σ)V	Total SWP Deliveries 0.0
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation 0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	15.1	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport 0.0
(+)B1	BVMWC Highline	2.5	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow 2.0
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation 0.5
(+)F1	Greenspot Spill	1.8	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir 2.5
A4	SAR Inflow-SubTotal-1	19.4	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja 0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	4.2	(+)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 2.5
Z1	SOD ReleaseSubTotal D1+E1	4.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir 5.1
(Σ)G1	SubTotal 1+2 SAR Inflows	23.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal 0.8
(-)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	23.6	W1	Redlands Aqueduct / Sandbox	15.6	(+)K2	Northfork Parshall Flume 0.0
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline 5.9
I1	Redlands Tunnel	0.4	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)	12.4				(Σ)N2	¹ Total SAR Deliveries 23.6
L1	SCE SAR AVM (SCADA)	15.9					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow 8.0
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek 0.0
(+) A3	RPU Flow	3.0	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline 0.0
(+) B3	M/C #3 Penstock	6.8	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja 1.8
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat) 9.8
(Σ) D3	Total MC Inflows	9.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries 9.8
E3	M/C #1 Penstock Flow	9.8	(Σ)O3	SBVWCD Spreading	0.0	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	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.0	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	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹ 0
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge 0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 7, 2015
							Time: 0645
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	12.9	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.9	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	15.8	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	5.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	5.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	20.8	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	20.8	W1	Redlands Aqueduct / Sandbox	12.4	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	13.5				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	15.3					20.8
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.2	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.7	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.9	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.9	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					0.0
H3			I3	Mentone Reser. Level (23.0)	21.4	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							16.2
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge
							0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 8, 2015
							Time: 0645
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	10.4	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.6	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	13.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	5.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	5.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	18.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	18.0	W1	Redlands Aqueduct / Sandbox	9.9	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	17.0				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	19.3					18.0
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.2	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.8	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	10.0	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	10.0	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.7	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	0		I4	941
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 9, 2015
							Time: 0700
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	6.1	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.7	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.5	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	9.3	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	5.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	5.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	14.3	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	14.3	W1	Redlands Aqueduct / Sandbox	8.1	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	10.2				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	16.4					14.3
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.2	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.6	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.8	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					0.0
H3			I3	Mentone Reser. Level (23.0)	21.8	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							16.2
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge
							0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 10, 2015
							Time: 0715
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.5	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.5	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	12.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	3.8	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	3.8	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	15.8	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	15.8	W1	Redlands Aqueduct / Sandbox	8.5	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	15.9				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	19.0					15.8
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	3.0	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.5	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.5	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.5	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					0.0
H3			I3	Mentone Reser. Level (23.0)	20.2	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							15.2
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge
							0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 13, 2015
							Time: 0715
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.6	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.6	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	11.1	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.5	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	13.6	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	3.8	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	3.8	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	17.4	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	17.4	W1	Redlands Aqueduct / Sandbox	10.2	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	9.3				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	14.6					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.7	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.1	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.8	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.2	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	0	I4	941	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0	O4	44	
B4	Santa Ana River	SWP	F4	0	J4	81	
C4	Mill Creek	MC	G4	0	K4	952	73,800
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
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 14, 2015
							Time: 0700
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	0.5	(+)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 0.5
(+)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	0.5	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries 0.5
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation 0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.9	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport 0.0
(+)B1	BVMWC Highline	2.8	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow 2.8
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation 0.0
(+)F1	Greenspot Spill	0.3	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir 2.8
A4	SAR Inflow-SubTotal-1	13.0	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja 0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	4.1	(+)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 2.8
Z1	SOD ReleaseSubTotal D1+E1	4.1	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir 3.7
(Σ)G1	SubTotal 1+2 SAR Inflows	17.1	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal 1.2
(-)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	17.1	W1	Redlands Aqueduct / Sandbox	9.8	(+)K2	Northfork Parshall Flume 0.0
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline 4.9
I1	Redlands Tunnel	0.4	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)	5.2				(Σ)N2	¹ Total SAR Deliveries 17.1
L1	SCE SAR AVM (SCADA)	11.7					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow 7.0
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek 0.0
(+) A3	RPU Flow	2.6	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline 0.0
(+) B3	M/C #3 Penstock	6.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja 1.6
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat) 8.6
(Σ) D3	Total MC Inflows	8.6	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries 8.6
E3	M/C #1 Penstock Flow	8.6	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal 0.4
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill 0.0
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.2	Y3	Crafton Reser. Level (21.3) 15.2
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	0		I4	941
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	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	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹ 0
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge 0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 15, 2015
							Time: 0715
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2192.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.8	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.7	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	12.5	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	4.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	4.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	16.7	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	16.7	W1	Redlands Aqueduct / Sandbox	9.8	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	13.7				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	16.3					16.7
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.7	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.3	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.0	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.0	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.8	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	0		I4	941
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project								
			Daily Flow Report				Date: April 16, 2015	
							Time: 0715	
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	2187.06	(Σ)V	Total SWP Deliveries	0.0
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation	0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	8.9	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport	0.0
(+)B1	BVMWC Highline	2.6	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow	0.8
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation	1.8
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)Σ)D2	Boullioun Box Weir	2.6
A4	SAR Inflow-SubTotal-1	11.5	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja	0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	4.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread	0.0
(+)E1	Main River Gage (USGS)	103.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline	2.6
Z1	SOD ReleaseSubTotal D1+E1	107.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir	4.2
(Σ)G1	SubTotal 1+2 SAR Inflows	118.7	(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	118.7	W1	Redlands Aqueduct / Sandbox	9.3	(+)K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	103.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline	4.2
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins	103.0
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)	9.6				(Σ)N2	¹ Total SAR Deliveries	118.7
L1	SCE SAR AVM (SCADA)	15.1						
				Deliveries	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)
Mill Creek			(+)J3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow	7.5
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek	0.0
(+) A3	RPU Flow	2.7	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline	0.0
(+) B3	M/C #3 Penstock	6.3	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja	1.5
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)	9.0
(Σ) D3	Total MC Inflows	9.0	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries	9.0
E3	M/C #1 Penstock Flow	9.0	(Σ)O3	SBVWCD Spreading	0.0	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	0.0						
H3			I3	Mentone Reser. Level (23.0)	21.2	Y3	Crafton Reser. Level (21.3)	12.0
SBVWCD Recharge								
	Location	Type		Previous Day (AF)			WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	156		I4	1,098	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44	
B4	Santa Ana River	SWP	F4	0		J4	81	
C4	Mill Creek	MC	G4	0		K4	952	73,800
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	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹	0
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge	0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 17, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2186.80	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.7	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.8	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	12.5	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	9.5	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	95.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	104.5	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	117.0	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	117.0	W1	Redlands Aqueduct / Sandbox	13.6	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	95.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	11.3				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	14.7					117.0
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.6	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.9	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.5	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.5	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	19.2	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	191		I4	1,289
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 20, 2015
							Time: 0730
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	0.8	(+)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 0.8
(+)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	0.8	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2182.00	(Σ)V	Total SWP Deliveries 0.8
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation 0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	17.5	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport 0.0
(+)B1	BVMWC Highline	3.0	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow 3.0
(+)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	(+)ΣD2	Boullioun Box Weir 3.0
A4	SAR Inflow-SubTotal-1	20.5	(+)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)	95.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline 3.0
Z1	SOD ReleaseSubTotal D1+E1	98.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir 4.2
(Σ)G1	SubTotal 1+2 SAR Inflows	118.7	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal 0.9
(-)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	118.7	W1	Redlands Aqueduct / Sandbox	16.0	(+)K2	Northfork Parshall Flume 0.0
H1	SBVWCD Diversion	95.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline 5.1
I1	Redlands Tunnel	0.4	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins 95.0
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)	12.5				(Σ)N2	¹ Total SAR Deliveries 118.7
L1	SCE SAR AVM (SCADA)	15.7					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow 7.5
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek 0.0
(+) A3	RPU Flow	2.5	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline 0.0
(+) B3	M/C #3 Penstock	6.3	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja 1.3
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat) 8.8
(Σ) D3	Total MC Inflows	8.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries 8.8
E3	M/C #1 Penstock Flow	8.8	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal 0.6
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill 0.0
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	19.4	Y3	Crafton Reser. Level (21.3) 12.0
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	561		I4	1,850
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	44
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	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	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹ 0
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge 0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 21, 2015
							Time: 0700
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2182.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	8.8	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.9	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	11.7	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	20.5	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	68.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	88.5	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	100.2	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	100.2	W1	Redlands Aqueduct / Sandbox	24.4	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	68.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	0.5	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	12.1				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	15.3					100.2
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.5	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	5.6	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.1	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.1	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	18.8	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)		WY To Date (AF)	Target
A4	Santa Ana River	SAR	E4	147		I4	1,997
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	11		O4	55
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			714
	WMWD	SWP					0
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 22, 2015
							Time: 0700
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	0.6	(+)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 0.6
(+)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	0.6	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2174.00	(Σ)V	Total SWP Deliveries 0.6
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation 0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.3	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport 0.0
(+)B1	BVMWC Highline	3.2	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow 3.2
(+)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	(+)ΣD2	Boullioun Box Weir 3.2
A4	SAR Inflow-SubTotal-1	12.5	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja 0.0
(+)D1	BVMWC Rvr PU-USGS, Flume	26.8	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread 0.0
(+)E1	Main River Gage (USGS)	65.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline 3.2
Z1	SOD ReleaseSubTotal D1+E1	91.8	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir 6.6
(Σ)G1	SubTotal 1+2 SAR Inflows	104.3	(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	0.0	(+) J2	Tailrace Valve 0.0
(Σ)A5	Total SAR Inflows	104.3	W1	Redlands Aqueduct / Sandbox	30.5	(+)K2	Northfork Parshall Flume 0.0
H1	SBVWCD Diversion	65.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline 6.6
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins 65.0
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)	12.1				(Σ)N2	¹ Total SAR Deliveries 104.3
L1	SCE SAR AVM (SCADA)	15.4					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow 8.0
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek 0.0
(+) A3	RPU Flow	2.8	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline 0.0
(+) B3	M/C #3 Penstock	6.4	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja 1.2
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat) 9.2
(Σ) D3	Total MC Inflows	9.2	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries 9.2
E3	M/C #1 Penstock Flow	9.2	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal 0.6
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill 0.0
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.7	Y3	Crafton Reser. Level (21.3) 11.0
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	131		I4	2,127
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	14		O4	68
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	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	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹ 0
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge 0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 23, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.6	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.6	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2164.50	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.9	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	3.2	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.2	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	13.3	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	26.5	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	57.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	83.5	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	96.8	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	96.8	W1	Redlands Aqueduct / Sandbox	29.6	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	57.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	10.5				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	14.1					96.8
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.7	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.1	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.8	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.8	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.0	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	115		I4	2,242
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	19		O4	87
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 24, 2015
							Time: 0715
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.7	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.7	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2159.80	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	8.1	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.6	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	10.7	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	26.2	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	56.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	82.2	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	92.9	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	92.9	W1	Redlands Aqueduct / Sandbox	27.0	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	56.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	12.8				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	16.0					92.9
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.8	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.5	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	9.3	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	9.3	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	20.5	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	111		I4	2,353
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	20		O4	107
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 27, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2150.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	6.3	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	3.0	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.1	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	9.4	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	11.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	11.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	20.8	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	20.8	W1	Redlands Aqueduct / Sandbox	14.2	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	11.7				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	15.8					20.8
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.9	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	5.7	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.6	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.6	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					0.0
H3			I3	Mentone Reser. Level (23.0)	21.5	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							18.0
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	127		I4	2,480
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	20		O4	107
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge
							0

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 27, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2150.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	9.7	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.9	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	12.6	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	8.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	8.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	20.6	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	20.6	W1	Redlands Aqueduct / Sandbox	12.9	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	12.0				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	15.1					20.6
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.6	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.1	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.7	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.7	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	21.5	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	0		I4	2,480
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	107
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			714
	WMWD	SWP					0
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 29, 2015
							Time: 0700
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2150.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	13.6	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.9	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.0	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	16.5	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	6.0	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	6.0	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	22.5	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	22.5	W1	Redlands Aqueduct / Sandbox	14.7	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	12.0				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	14.8					
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	2.4	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.1	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	8.5	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	8.5	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	19.9	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	6		I4	2,486
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	107
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
Flow in the River Above Alabama		Total	0	Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River-Mill Creek Cooperative Water Project							
			Daily Flow Report				Date: April 30, 2015
							Time: 0730
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
(+)B	Muni test @ Greenspot Sta.	0.0	(+)I	¹ Santa Ana Low Turnout	0.0	(+)Q	¹ Zanja
(+)C	Exchange Water	0.0	(+)J	¹ Northfork Canal	0.0	(+)R	¹ Tate Treatment Plant
(+)D	Purchased Water	0.0	(+)K	¹ Edwards Canal	0.0	(+)S	¹ SBCFCD Grove
(+)E	Redlands Aqueduct Leakage	0.0	(+)L	¹ Redlands Aqueduct	0.0	(+)T	¹ Newport for BVMWC
(+)F	Recharge Project	0.0	(+)M	¹ Crafton Unger Lane	0.0	(+)U	¹ M/C spreading @ ZT
(Σ)G	Total SWP Inflows	0.0	(+)N	¹ BVMWC Boullioun Box	0.0		
				Observation at SOD	2150.00	(Σ)V	Total SWP Deliveries
Santa Ana River				SOD Reservoir Elevation			Debris Pool Elevation
							0.00
	Inflows	Flow Rate (cfs)		Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
(+)A1	PH #3 Penstock (CALC)	10.6	(+)M1	SBCFCD Grove	0.0	(+) A2	Newport
(+)B1	BVMWC Highline	2.9	(+)N1	BVMWC Highline	0.0	(+)B2	Gay Overflow
(+)C1	Greenspot Pipeline	0.0	(+)O1	Newport for BVMWC	0.0	(+)C2	Irrigation
(+)F1	Greenspot Spill	0.3	(+)P1	SBVWCD Mill Creek Spreading	0.0	(+)ΣD2	Boullioun Box Weir
A4	SAR Inflow-SubTotal-1	13.8	(+)Q1	Crafton WC Unger Lane	0.0	(+) E2	Boullioun Box to Zanja
(+)D1	BVMWC Rvr PU-USGS, Flume	10.4	(+)R1	BVMWC Highline to Boullioun	0.0	(+) F2	SBVWCD Mill Creek Spread
(+)E1	Main River Gage (USGS)	0.0	(+)S1	Crafton WC Boullioun	0.0	(Σ) B1	BVMWC Highline
Z1	SOD ReleaseSubTotal D1+E1	10.4	(+)T1	Tate Pump Station to Zanja	0.0	(+) G2	Northfork Canal Weir
(Σ)G1	SubTotal 1+2 SAR Inflows	24.2	(Σ) C1	Greenspot Pipeline	0.0	(+) H2	Edwards Canal
(-)D1a	If BV p/u gated, divert to SAR= "Y"		(+)V1	PH#3 Afterbay SpillLoss to SAR	0.0	(+) J2	Tailrace Valve
(Σ)A5	Total SAR Inflows	24.2	W1	Redlands Aqueduct / Sandbox	16.4	(+)K2	Northfork Parshall Flume
H1	SBVWCD Diversion	0.0	X1	SBVWCD Mill Creek Spreading	0.0	(Σ) I2	Tailrace Pipeline
I1	Redlands Tunnel	1.0	Y1	Redlands Sandbox Spill	0.0	(+) L2	SBVWCD Parshall FlumeTo Basins
J1	^a Big Bear Lake Release	1.2	(+)Z2	Cuttle Weir To River	0.0	(Σ) C1	Greenspot Pipeline
K1	PH#3 Penstock (SCADA)	9.6				(Σ)N2	¹ Total SAR Deliveries
L1	SCE SAR AVM (SCADA)	12.9					24.2
				Deliveries	Flow Rate (cfs)	Deliveries	Flow Rate (cfs)
Mill Creek			(+)I3	Yucaipa Regional Park	0.0	(+)P3	Tate Inflow
	Inflows	Flow Rate (cfs)	(+)J3	Wilson Creek Spreading	0.0	(+)Q3	East Weir to Mill Creek
(+) A3	RPU Flow	1.5	(Σ)K3	Yucaipa Pipeline	0.0	(+)R3	Boullioun to BVMWC Highline
(+) B3	M/C #3 Penstock	6.0	(+)L3	East Weir (MC)	0.0	(+)S3	East Weir to Zanja
(+) C3	SBVWCD Mill Creek Diversion	0.0	(+)M3	BVHL (SAR)	0.0	(Σ)T3	Mill Creek #1 Flow (Cooley Hat)
(Σ) D3	Total MC Inflows	7.5	(+)C3	Mill Creek Diversion (MC)	0.0	U3	Total MC Deliveries
E3	M/C #1 Penstock Flow	7.5	(Σ)O3	SBVWCD Spreading	0.0	V3	Zanja West Weir to CWC Canal
F3	Stream Parshall Flume to Yucaipa	0.0				W3	Mill Creek PH #2,3 Afterbay Spill
G3	Observation at Garnet Bridge	0.0					
H3			I3	Mentone Reser. Level (23.0)	19.5	Y3	Crafton Reser. Level (21.3)
SBVWCD Recharge							
	Location	Type		Previous Day (AF)			WY To Date (AF)
A4	Santa Ana River	SAR	E4	6		I4	2,492
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0		O4	107
B4	Santa Ana River	SWP	F4	0		J4	81
C4	Mill Creek	MC	G4	0		K4	952
D4	Mill Creek	SWP	H4	0		L4	0
	SBVMWD	SWP		0			0
	WMWD	SWP					
	SAR Passing Cuttle Weir	SAR	0	Share of Lost Flow	0	SARP	Estimate SAR Recharge ¹⁸
	Mill Creek Passing Garnet	MC	0	Share of Lost Flow	0	MCRP	Estimate Mill Creek Recharge ¹⁹
	Flow in the River Above Alabama	Total	0	Flowing Beyond Alabama	0		Total River Recharge