

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/1/2015
Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.5
N2	Total SAR Deliveries	6.5
A1	SAR PH#3 Penstock	2.2
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.1
V	Total SWP Deliveries	17.1
J	Northfork Canal	9.0
L	Redlands Aqueduct	7.5
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.3
U3	Total MC Deliveries	6.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	5.3

Reservoir Levels	Feet
Observation at SOD	2134.8
Crafton Reservoir Level (21.3)	17
Mentone Reservoir Level	21

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0

Santa Ana River - Mill Creek Cooperative Water Project

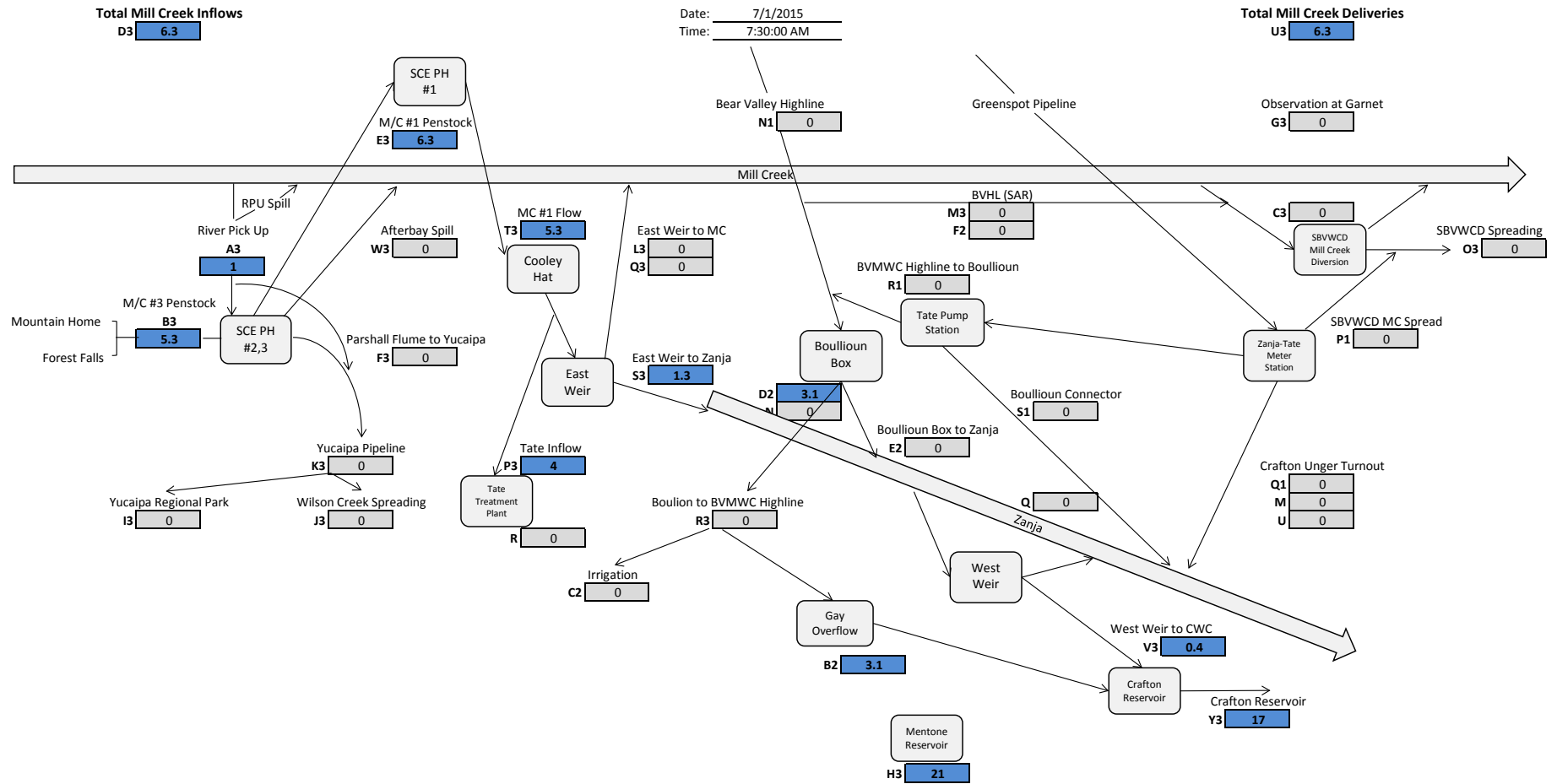
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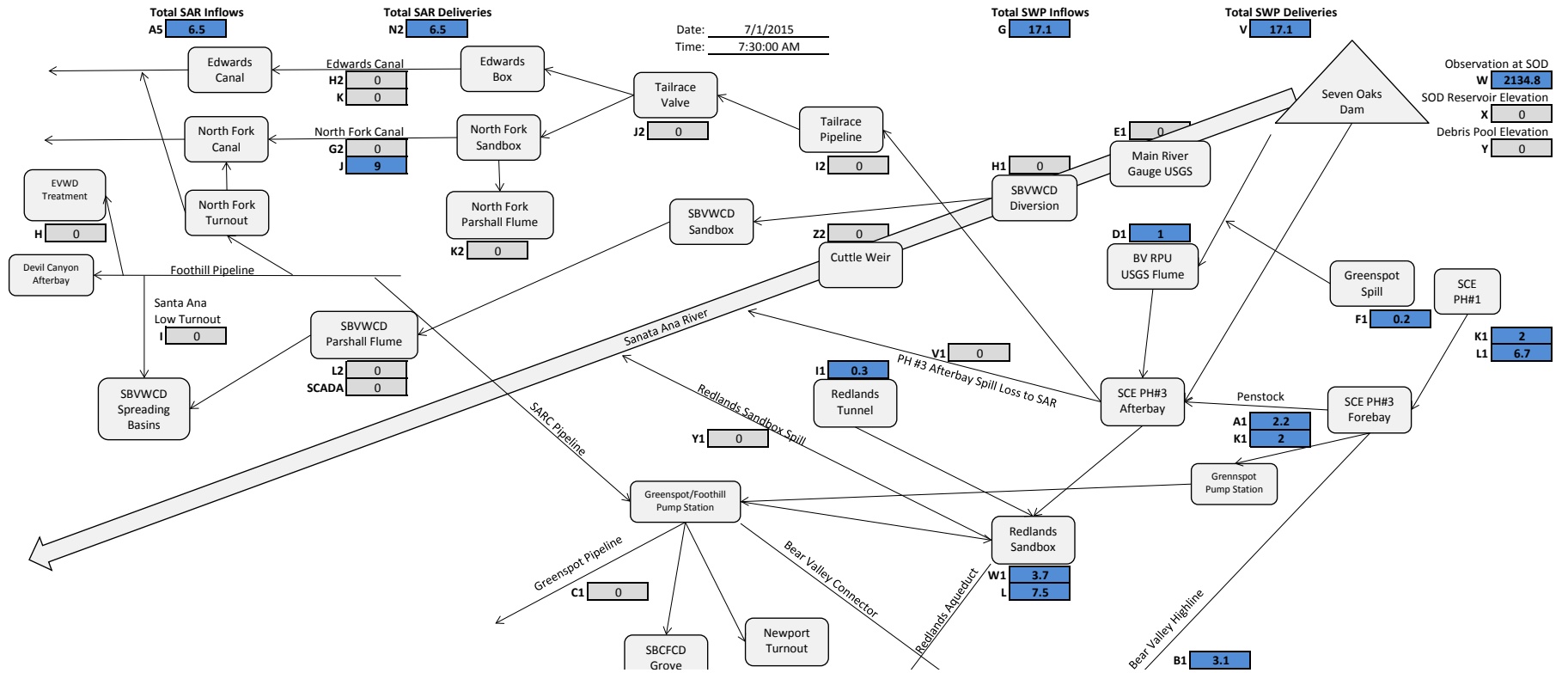
State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0			
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0			
C	Exchange Water	0.0	J	Northfork Canal	9.0	R	Tate Treatment Plant	0.0			
D	Purchased Water	17.1	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0			
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.5	T	Newport for BVMWC	0.6			
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0			
G	Total SWP Inflows	17.1	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	17.1			
Santa Ana River Inflows											
SAR PH #3 Penstock			BVMWC Highline			SOD Release Subtotal		Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.0	A1 SAR PH #3 Penstock	2.2	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)	0.0	B1 BVMWC Highline	3.1	
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal	1.0	C1 Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0				D1 BVMWC River PU (USGS)	1.0	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.1				F1 Greenspot Spill	0.2	
W1	Redlands Aqueduct / Sandbox	3.7							E1 Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.0							D1a BV Pick-Up gated	☐	
		minus							A5	Total SAR Inflows	6.5
F1	Greenspot Spill	0.2									
D1	BVMWC River PU (USGS)	1.0									
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock	2.2									
K1	PH3# Penstock (SCADA)	2.0									
Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins		Deliveries			
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	3.7
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	3.1
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0							minus		
									J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	6.5
Mill Creek Inflows											
Total MC Inflows			Other								
A3	RPU Flow	1.0	E3	M/C #1 Penstock Flow	6.3						
B3	M/C #3 Penstock	5.3	F3	Stream Parshall Flume to Yucaipa	0.0						
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0						
D3	Total MC Inflows	6.3									
Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries		Other			
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	4.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.3	U3	Total MC Deliveries	6.3	V3	Zanja West Weir to CWC Canal	0.4
			T3	MC #1 Flow (Cooley Hat)	5.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	17.0
SBVWCD Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
O3	SBVWCD Spreading	0.0									
SBVWCD Recharge											
Location		Type	Previous Day (AF)		WY To Date (AF)		Target				
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000				
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7					
B4	Santa Ana River	SWP	F4	0.0	J4	81.0					
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800				
D4	Mill Creek	SWP	H4	0.0	L4		714				
	SBVMWD	SWP									
	WMWD	SWP									
SAR Passing Cuttle Weir		0	Share of Lost Flow		Estimate SAR Recharge		0				
Mill Creek Passing Garnet		0	Share of Lost Flow		Estimate Mill Creek Recharge		0				
Flow in the River Above Alabama		0	Flowing Beyond Alabama		Total River Recharge		0				

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/2/2015
Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	7.8
N2	Total SAR Deliveries	7.8
A1	SAR PH#3 Penstock	2.2
B1	BVMWC Highline	3.3
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.7
V	Total SWP Deliveries	15.7
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.5
U3	Total MC Deliveries	6.5
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.5

Reservoir Levels	Feet
Observation at SOD	2134.8
Crafton Reservoir Level (21.3)	17
Mentone Reservoir Level	21.5

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0

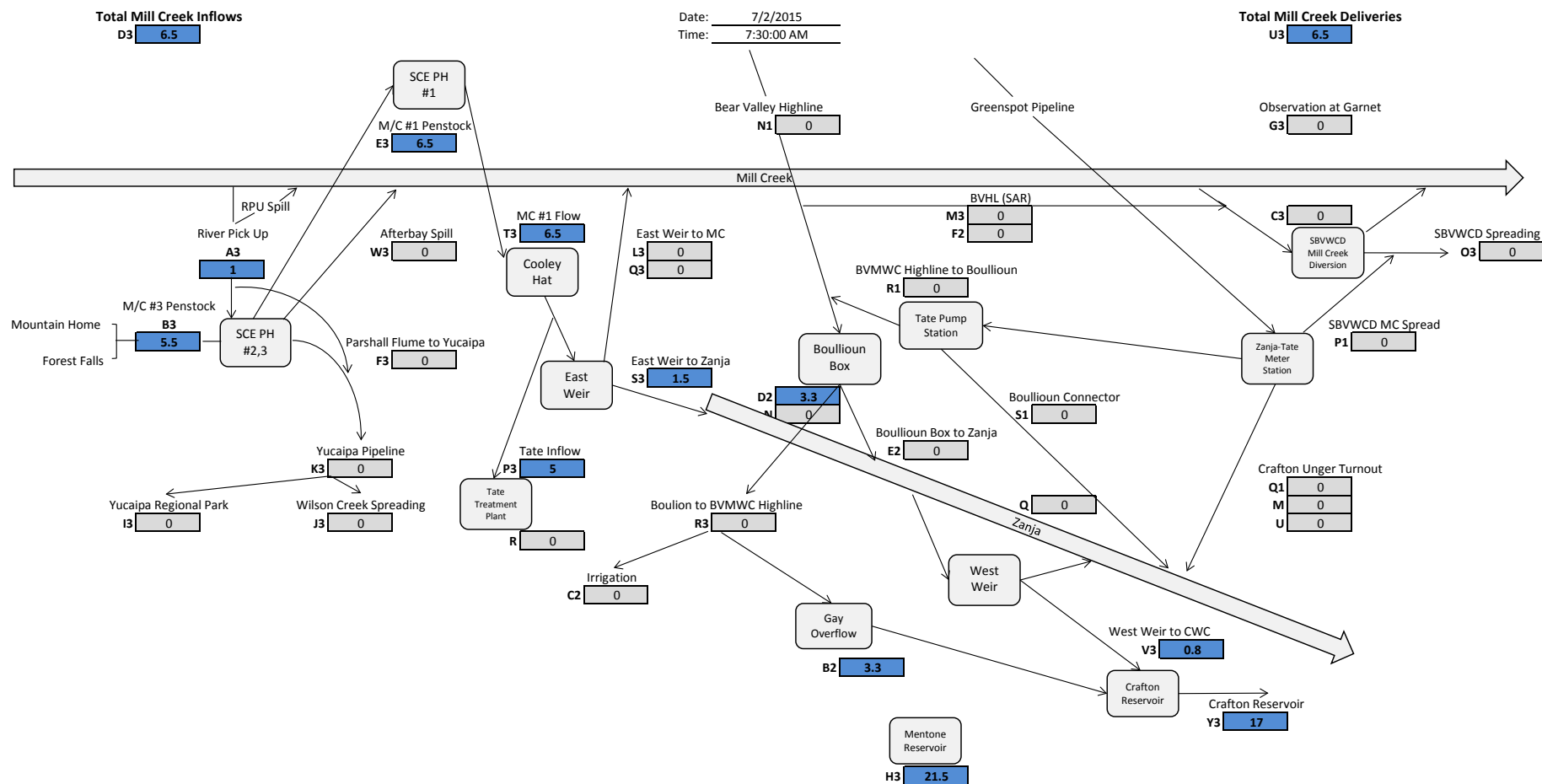
Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

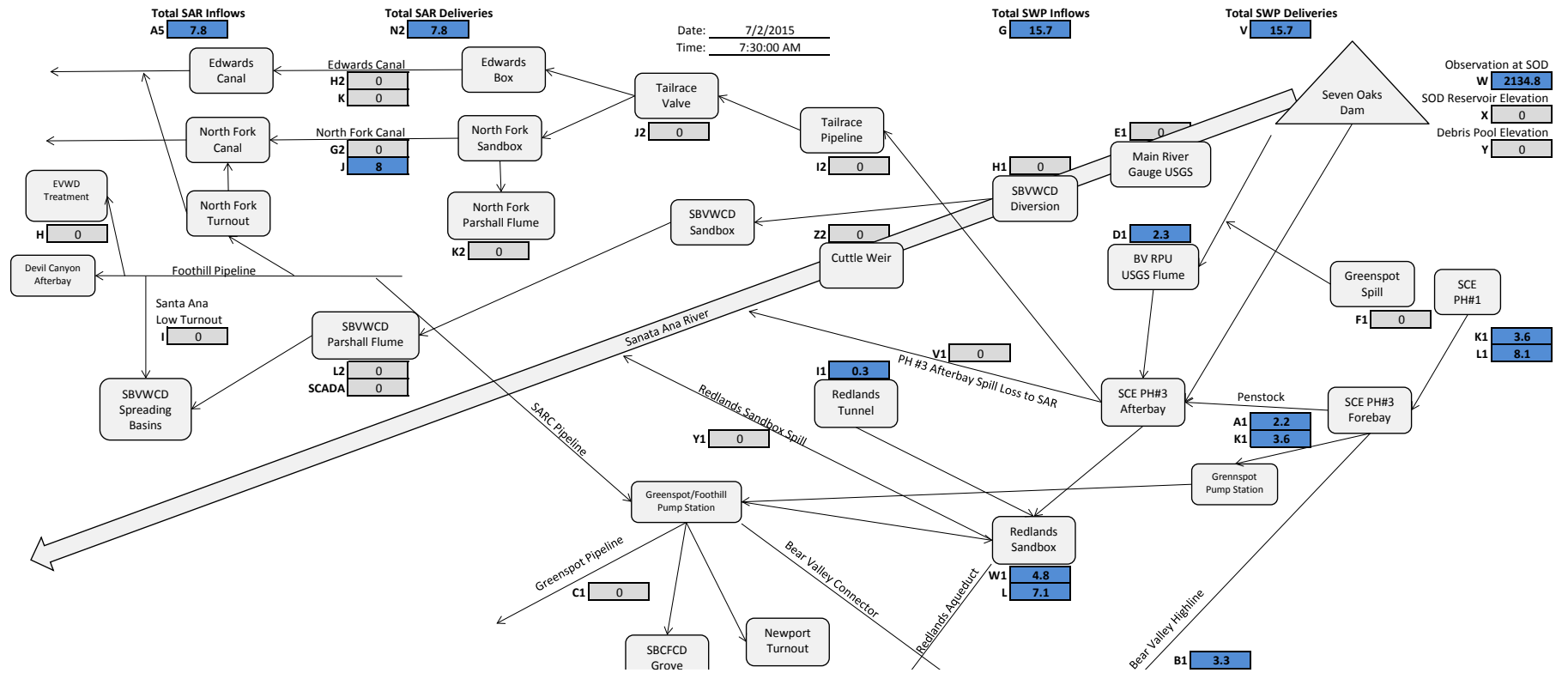
Date: 7/2/2015
Time: 7:30:00 AM

State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0			
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0			
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0			
D	Purchased Water	15.7	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0			
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1	T	Newport for BVMWC	0.6			
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0			
G	Total SWP Inflows	15.7	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	15.7			
Santa Ana River Inflows											
SAR PH #3 Penstock			BVMWC Highline			SOD Release Subtotal		Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.3	A1 SAR PH #3 Penstock	2.2	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	3.3	E1	Main River Gage (USGS)	0.0	B1 BVMWC Highline	3.3	
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal	2.3	C1 Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0				D1 BVMWC River PU (USGS)	2.3	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.3				F1 Greenspot Spill	0.0	
W1	Redlands Aqueduct / Sandbox	4.8							E1 Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.0							D1a BV Pick-Up gated	☐	
minus									A5	Total SAR Inflows	7.8
F1	Greenspot Spill	0.0									
D1	BVMWC River PU (USGS)	2.3									
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock	2.2									
K1	PH3# Penstock (SCADA)	3.6									
Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins		Deliveries			
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	4.8
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	3.3
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0							minus		
									J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	7.8
Mill Creek Inflows											
Total MC Inflows			Other								
A3	RPU Flow	1.0	E3	M/C #1 Penstock Flow	6.5						
B3	M/C #3 Penstock	5.5	F3	Stream Parshall Flume to Yucaipa	0.0						
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0						
D3	Total MC Inflows	6.5									
Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries		Other			
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.5	U3	Total MC Deliveries	6.5	V3	Zanja West Weir to CWC Canal	0.8
			T3	MC #1 Flow (Cooley Hat)	6.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	17.0
SBVWCD Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
O3	SBVWCD Spreading	0.0									
SBVWCD Recharge											
Location		Type	Previous Day (AF)		WY To Date (AF)		Target				
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000				
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7					
B4	Santa Ana River	SWP	F4	0.0	J4	81.0					
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800				
D4	Mill Creek	SWP	H4	0.0	L4		714				
	SBVMWD	SWP									
	WMWD	SWP									
SAR Passing Cuttle Weir		0	Share of Lost Flow		Estimate SAR Recharge		0				
Mill Creek Passing Garnet		0	Share of Lost Flow		Estimate Mill Creek Recharge		0				
Flow in the River Above Alabama		0	Flowing Beyond Alabama		Total River Recharge		0				

Santa Ana River - Mill Creek Cooperative Water Project
Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/6/2015
Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.1
N2	Total SAR Deliveries	6.1
A1	SAR PH#3 Penstock (calc)	2.8
B1	BVMWC Highline	2.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.6
V	Total SWP Deliveries	15.6
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.8
U3	Total MC Deliveries	6.8
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.8

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	22

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/6/2015
Time: 7:30:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	15.6	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.0	T	Newport for BVMWC	0.6
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.6	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	15.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	4.2
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	0.0
D1	BVMWC River PU (USGS)	1.1
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	2.8
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	2.2
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	2.2

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	1.1
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	1.1

Seven Oaks Dam		
W	Observation at SOD	2135.0
X	SOD Reservoir Elevation	0.0
Y	Debris Pool Elevation	0.0

Other		
J1	Big Bear Lake Release	1.2
L1	SCE SAR AVM (SCADA)	3.7

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	2.8
B1	BVMWC Highline	2.2
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	1.1
F1	Greenspot Spill	0.0
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	0.0
A5	Total SAR Inflows	6.1

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.2
	minus	
B2	Gay Overflow	2.2
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
	minus	
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	6.1

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.1	E3	M/C #1 Penstock Flow	6.8
B3	M/C #3 Penstock	5.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.8			

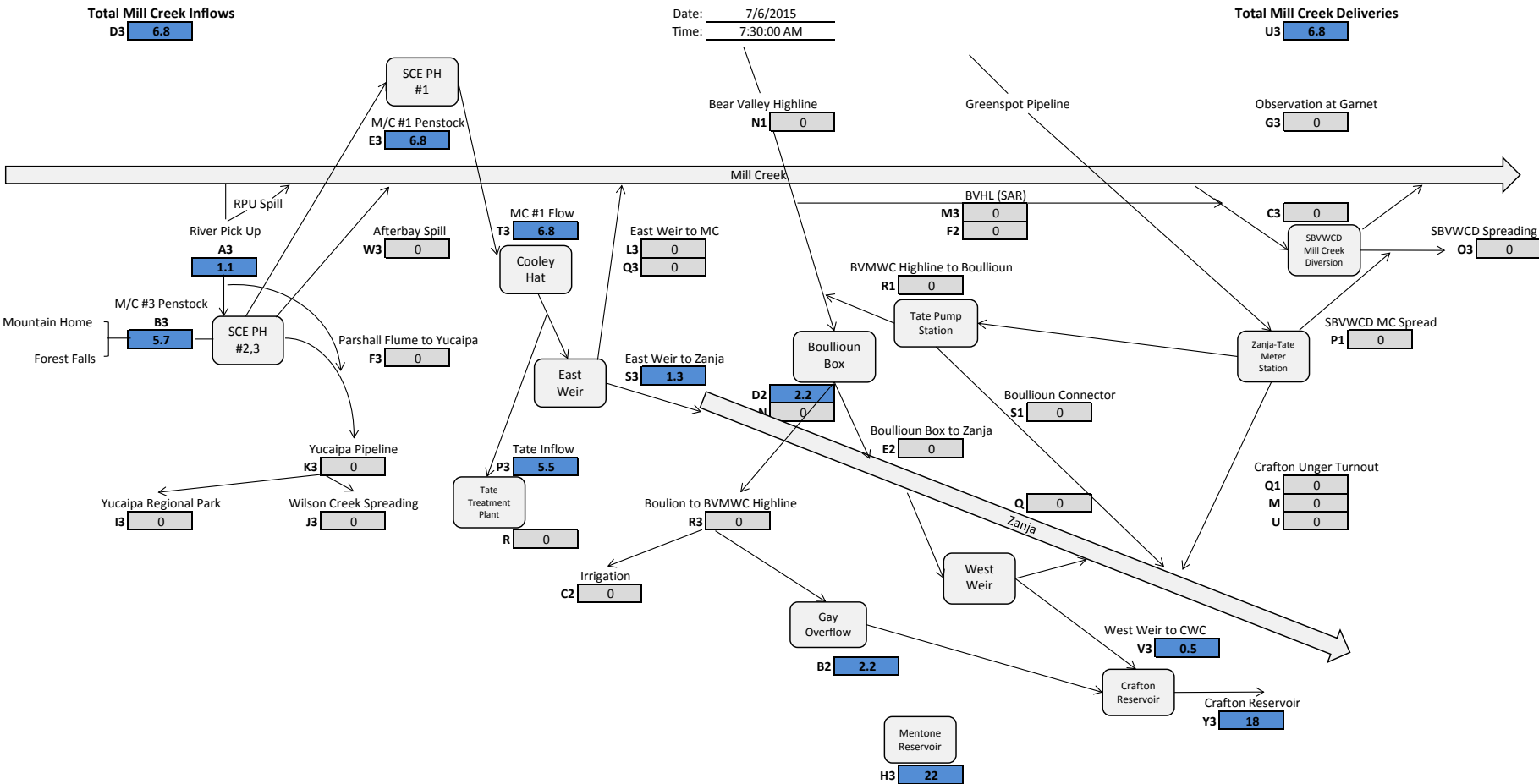
Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	22.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.8	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.3	U3	Total MC Deliveries	6.8	V3	Zanja West Weir to CWC Canal	0.5
SBVWCD Spreading			T3	MC #1 Flow (Cooley Hat)	6.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
								Y3	Crafton Reservoir Level (21.3)	18.0	

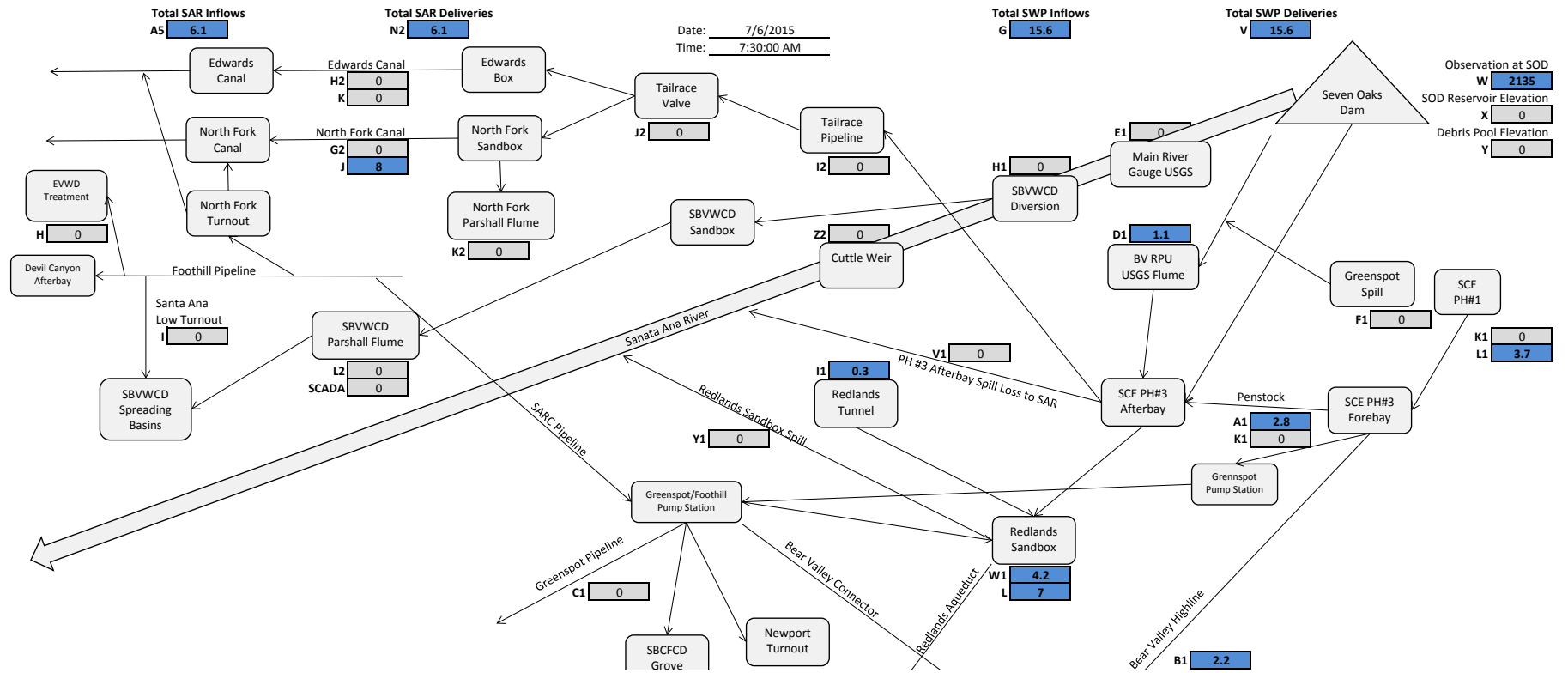
SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4		714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project
Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/7/2015
Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	8.7
N2	Total SAR Deliveries	8.7
A1	SAR PH#3 Penstock (calc)	4.6
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.3
V	Total SWP Deliveries	16.3
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.1

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.8
U3	Total MC Deliveries	6.8
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.8

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	18.2
Mentone Reservoir Level	21.5

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

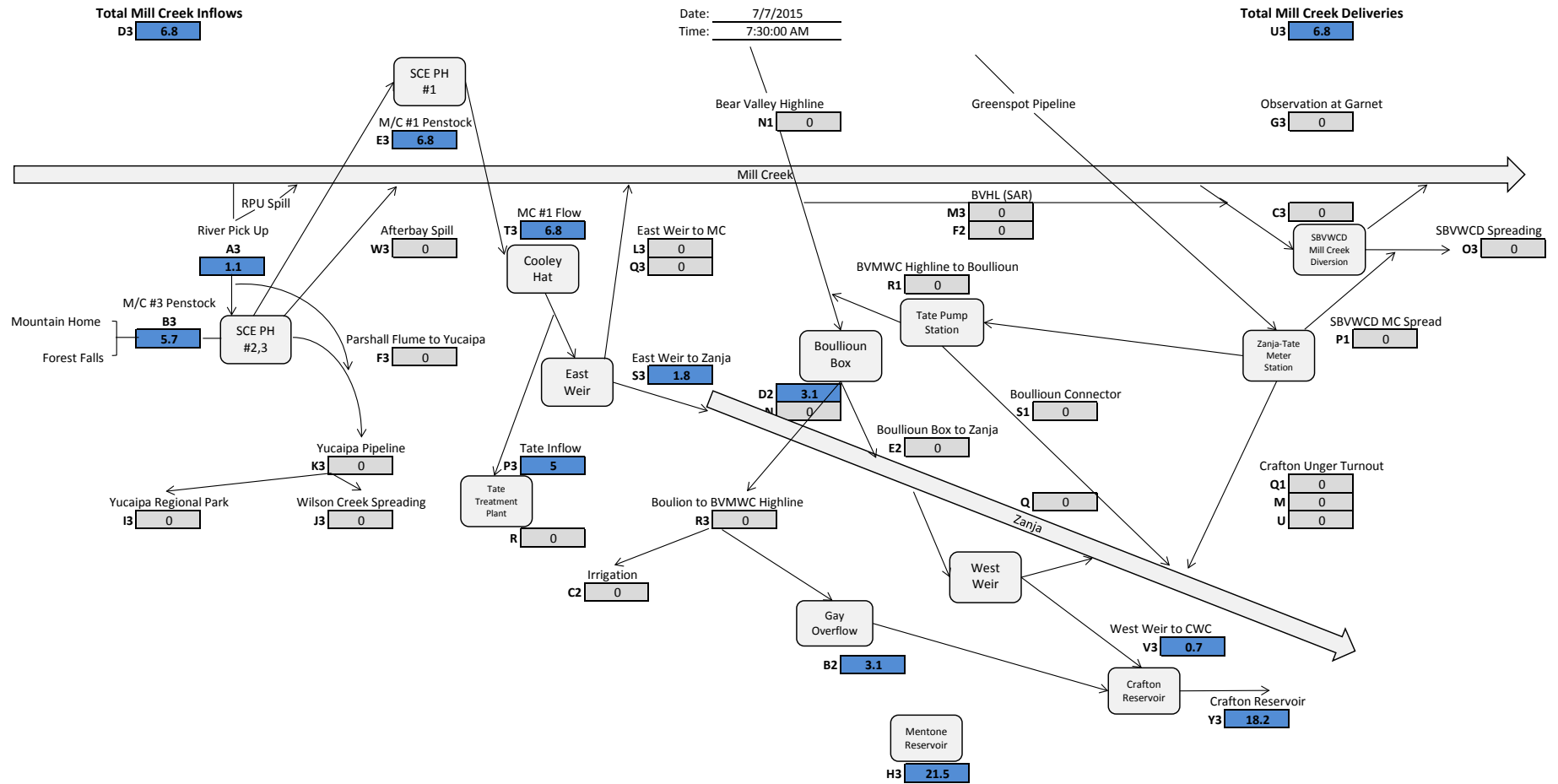
Daily Flow Report

Date: 7/7/2015
Time: 7:30:00 AM

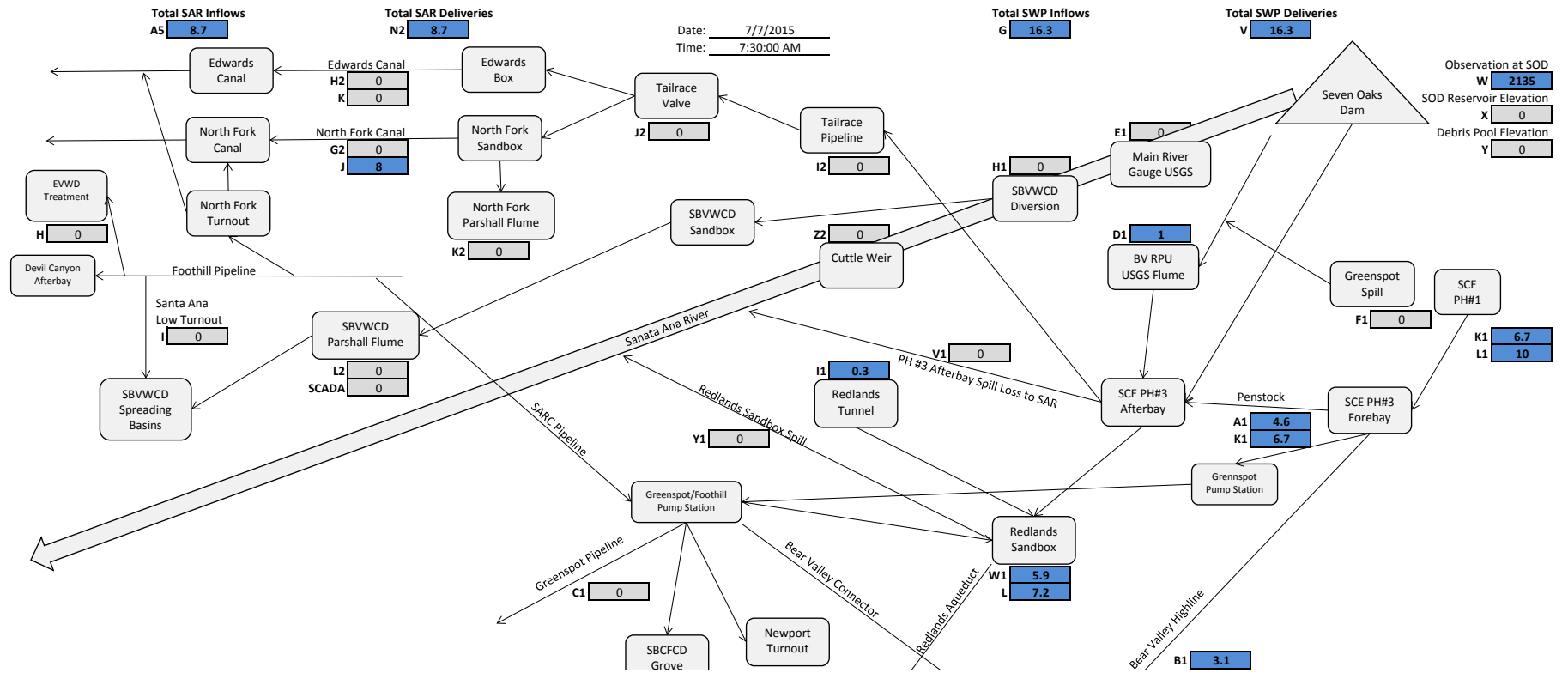
State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0			
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0			
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0			
D	Purchased Water	16.3	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0			
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2	T	Newport for BVMWC	1.1			
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0			
G	Total SWP Inflows	16.3	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	16.3			
Santa Ana River Inflows											
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.0	A1	SAR PH #3 Penstock (calc)	4.6
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.1
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal	1.0	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0				D1	BVMWC River PU (USGS)	1.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.1				F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.9				Seven Oaks Dam			E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0							D1a	BV Pick-Up gated	☐
minus									A5	Total SAR Inflows	8.7
F1	Greenspot Spill	0.0									
D1	BVMWC River PU (USGS)	1.0									
I1	Redlands Tunnel	0.3									
A1	SAR PH #3 Penstock (calc)	4.6									
K1	PH3# Penstock (SCADA)	6.7									
Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.0	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	5.9
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	L2	SBVWCD Parshall Flume	0.0	Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	0.0		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	3.1
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0							minus		
									J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.3
									N2	Total SAR Deliveries	8.7
Mill Creek Inflows											
Total MC Inflows			Other								
A3	RPU Flow	1.1	E3	M/C #1 Penstock Flow	6.8						
B3	M/C #3 Penstock	5.7	F3	Stream Parshall Flume to Yucaipa	0.0						
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0						
D3	Total MC Inflows	6.8									
Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.8	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.8	U3	Total MC Deliveries	6.8	V3	Zanja West Weir to CWC Canal	0.7
			T3	MC #1 Flow (Cooley Hat)	6.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	18.2
SBVWCD Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	0.0									
M3	BVHL (SAR)	0.0									
O3	SBVWCD Spreading	0.0									
SBVWCD Recharge											
Location		Type	Previous Day (AF)			WY To Date (AF)		Target			
A4	Santa Ana River	SAR	E4	0.0		I4	2,688.6	123,000			
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0		O4	133.7				
B4	Santa Ana River	SWP	F4	0.0		J4	81.0				
C4	Mill Creek	MC	G4	0.0		K4	959.7	73,800			
D4	Mill Creek	SWP	H4	0.0		L4		714			
	SBVMWD	SWP									
	WMWD	SWP									
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0			
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0			
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0			

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/8/2015
Time: 6:40:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	1.2
N2	Total SAR Deliveries	1.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.3
V	Total SWP Deliveries	16.3
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.1

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.5
U3	Total MC Deliveries	6.5
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.5

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	17.6
Mentone Reservoir Level	21.2

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments: There was 0.6 CFS at the Gay overflow this morning that was sourced from a well.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/8/2015
Time: 6:40:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	16.3	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2	T	Newport for BVMWC	1.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	16.3	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	16.3

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	1.2	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	0.0
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal 1.2		C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam					
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 0.0							
W1	Redlands Aqueduct / Sandbox	1.5									
Y1	Redlands Sandbox Spill	0.0	Other			w	Observation at SOD	2135.0	D1	BVMWC River PU (USGS)	1.2
minus						x	SOD Reservoir Elevation	0.0	F1	Greenspot Spill	0.0
F1	Greenspot Spill	0.0				J1	Big Bear Lake Release	1.5	E1	Main River Gage (USGS)	0.0
D1	BVMWC River PU (USGS)	1.2	L1	SCE SAR AVM (SCADA)	0.0	y	Debris Pool Elevation	0.0	D1a	BV Pick-Up gated	☐
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Total SAR Inflows 1.2					
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boulliouin	0.0
S1	Crafton WC Boulliouin	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boulliouin Box Weir	0.0
	minus	
B2	Gay Overflow	0.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	1.5
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
	minus	
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	1.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.0	E3	M/C #1 Penstock Flow	6.5
B3	M/C #3 Penstock	5.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.5			

Mill Creek Deliveries

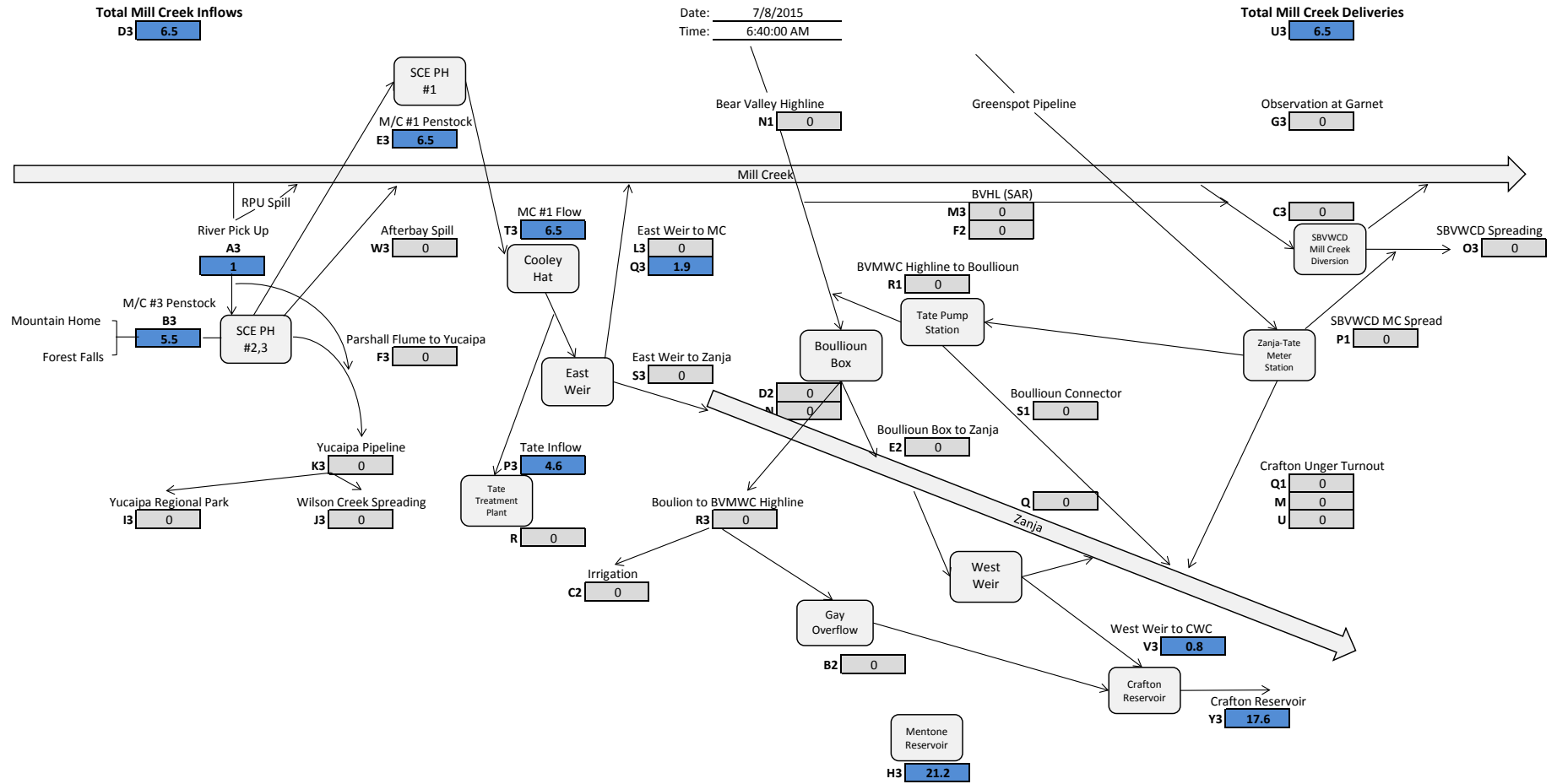
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	4.6	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	1.9	T3	Mill Creek #1 Flow (Cooley Hat)	6.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	6.5	V3	Zanja West Weir to CWC Canal	0.8
SBVWCD MC Spreading			T3	MC #1 Flow (Cooley Hat)	6.5			W3	Mill Creek PH #2,3 Afterbay Spill	0.0	
								Y3	Crafton Reservoir Level (21.3)	17.6	

SBVWCD Recharge

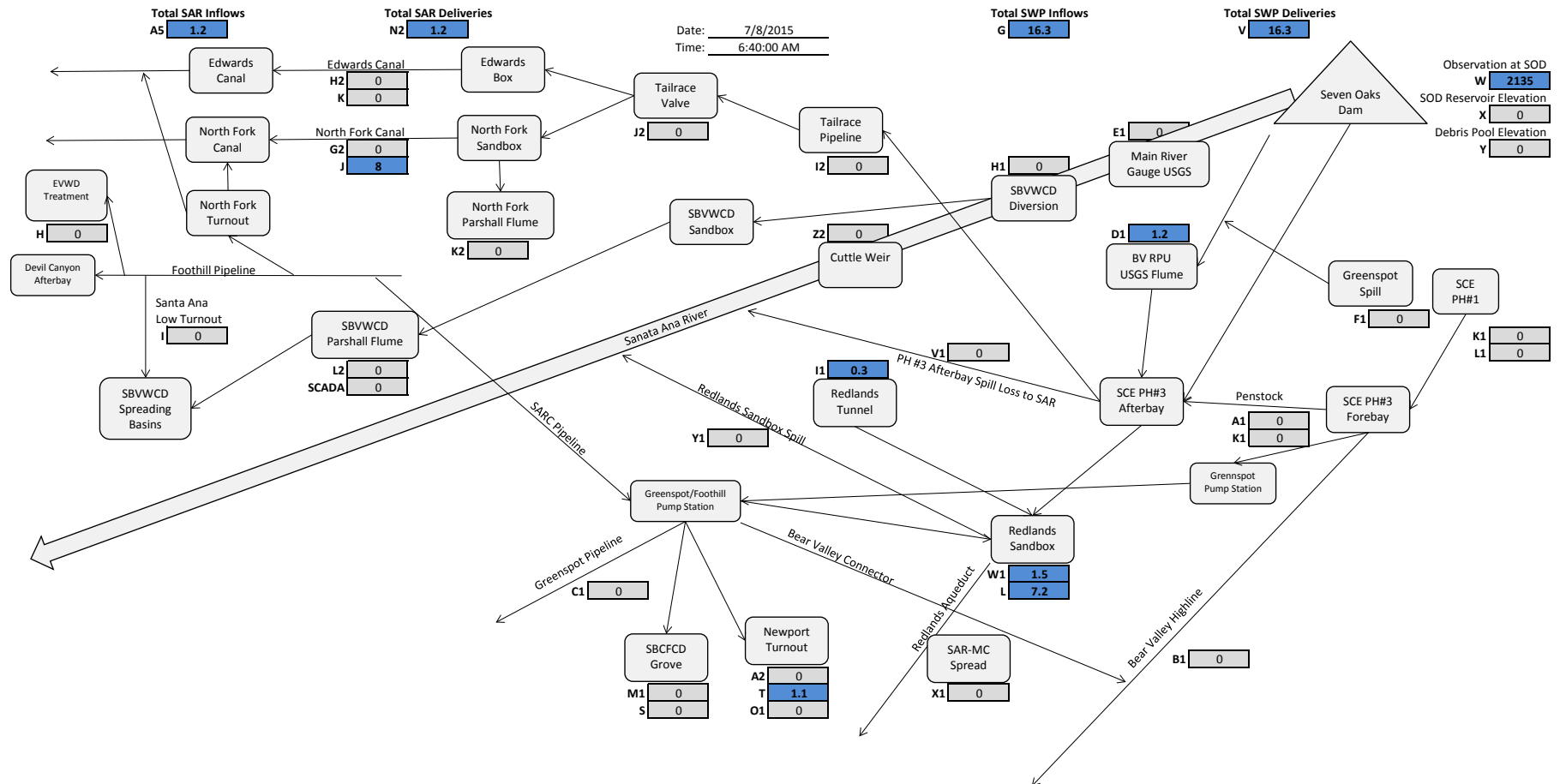
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/9/2015
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.6	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.6	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.6
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	1.0
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	0.0
D1	BVMWC River PU (USGS)	1.6
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	0.0
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	0.0
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	1.6
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	1.6
Seven Oaks Dam		
w	Observation at SOD	2135.0
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	1.6
F1	Greenspot Spill	0.0
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	1.6

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.9

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	0.0
minus		
B2	Gay Overflow	0.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	1.0
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	1.6

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.1
B3	M/C #3 Penstock	5.8
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.9

Other		
E3	M/C #1 Penstock Flow	6.9
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	4.5	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.2
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.9	r3	Boullioum to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	2.4	u3	Total MC Deliveries	6.9	v3	Zanja West Weir to CWC Canal	1.0
			t3	MC #1 Flow (Cooley Hat)	6.9				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	15.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/10/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	11.4
N2	Total SAR Deliveries	11.4
A1	SAR PH#3 Penstock (calc)	3.4
B1	BVMWC Highline	3.2
C1	Greenspot Pipeline	3.2
I2	Tailrace Pipeline	0.9
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.6
V	Total SWP Deliveries	16.4
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.3

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.5
U3	Total MC Deliveries	6.5
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.5

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	16
Mentone Reservoir Level	20.4

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/10/2015
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.6	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.6	N	BVMWC Boullion Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	1.3
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	16.4

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows				
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		1.6	A1	SAR PH #3 Penstock (calc)	3.4	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.2	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	3.2	
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		1.6	C1	Greenspot Pipeline	3.2	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	1.6	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		3.2		Seven Oaks Dam			F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.4	Other			w	Observation at SOD		2135.0	E1	Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.0	J1	Big Bear Lake Release	1.5	x	SOD Reservoir Elevation		0.0	D1a	BV Pick-Up gated	□	
minus			L1	SCE SAR AVM (SCADA)	10.9	y	Debris Pool Elevation		0.0	A5	Total SAR Inflows	11.4	
F1	Greenspot Spill	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0								
D1	BVMWC River PU (USGS)	1.6											
I1	Redlands Tunnel	0.3											
A1	SAR PH #3 Penstock (calc)	3.4											
K1	PH3# Penstock (SCADA)	6.4											

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	3.2
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	3.2

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.9

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	3.2
minus		
B2	Gay Overflow	3.0
C2	Irrigation	0.2

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.2
C1	Greenspot Pipeline	3.2
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	11.4

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.1
B3	M/C #3 Penstock	5.4
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.5

Other		
E3	M/C #1 Penstock Flow	6.5
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

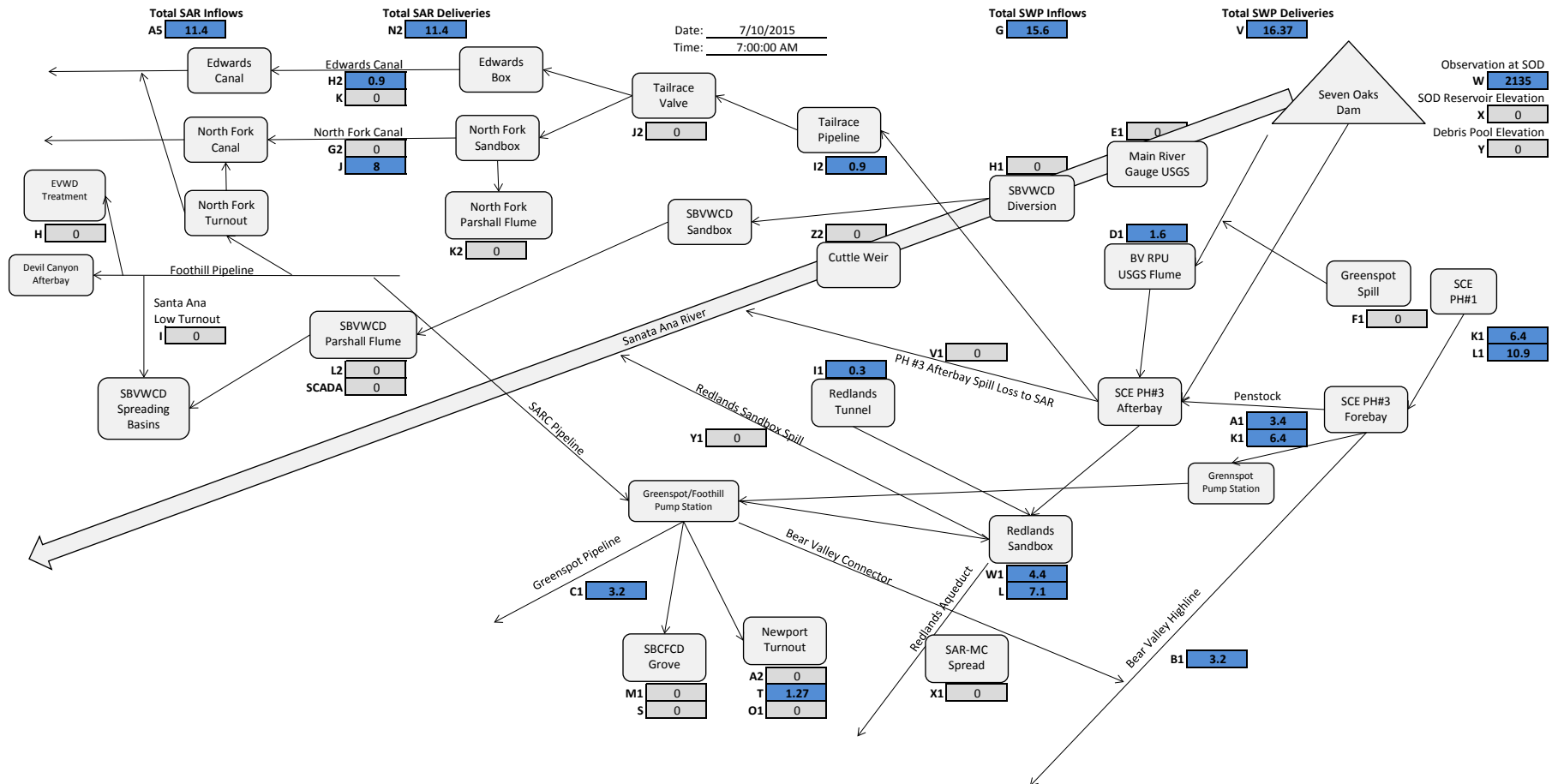
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.5	R3	Boullion to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.5	U3	Total MC Deliveries	6.5	V3	Zanja West Weir to CWC Canal	0.8
			T3	MC #1 Flow (Cooley Hat)	6.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	16.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/13/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	5.2
N2	Total SAR Deliveries	5.2
A1	SAR PH#3 Penstock (calc)	1.1
B1	BVMWC Highline	2.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.1
V	Total SWP Deliveries	15.1
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.2
U3	Total MC Deliveries	6.2
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.2

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	17.5
Mentone Reservoir Level	20.5

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/13/2015
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.1	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.1	N	BVMWC Boullioun Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.1

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		1.2	A1	SAR PH #3 Penstock (calc)	1.1
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	2.9	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.9
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		1.2	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0							
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		2.9						
W1	Redlands Aqueduct / Sandbox	1.7										
Y1	Redlands Sandbox Spill	0.0										
minus												
F1	Greenspot Spill	0.0										
D1	BVMWC River PU (USGS)	1.2										
I1	Redlands Tunnel	0.3										
A1	SAR PH #3 Penstock (calc)	1.1										
K1	PH3# Penstock (SCADA)	3.7										

Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	9.1
X1	SAR-MC Spread (Red. Aqueduct)	0.0

w	Observation at SOD	2135.0
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	5.2

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.9

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.9
minus		
B2	Gay Overflow	2.9
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	1.7
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	5.2

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.5
B3	M/C #3 Penstock	5.7
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.2

Other		
E3	M/C #1 Penstock Flow	6.2
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.5
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.2	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.2	u3	Total MC Deliveries	6.2	v3	Zanja West Weir to CWC Canal	0.5
			t3	MC #1 Flow (Cooley Hat)	6.2				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	17.5

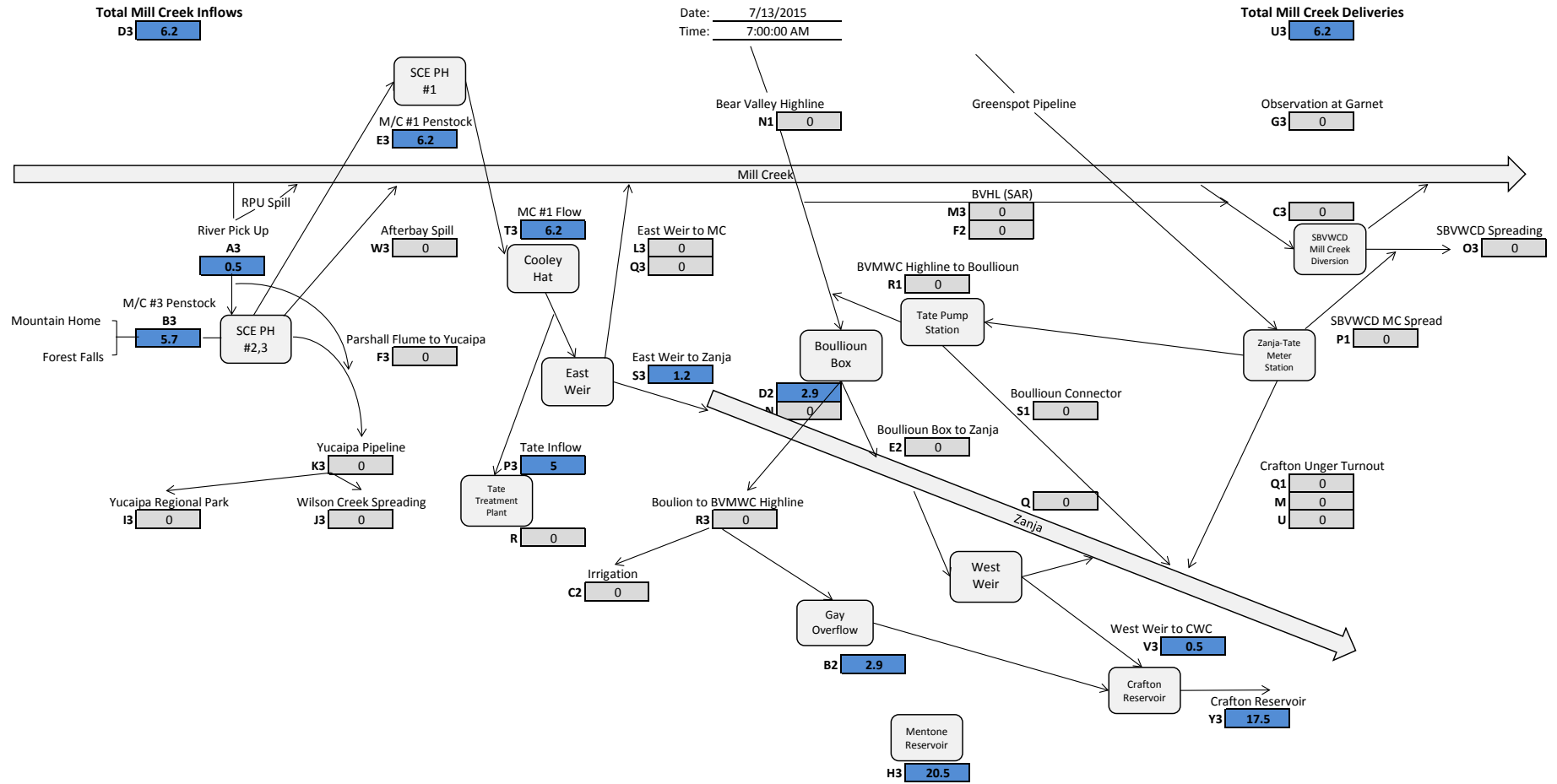
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

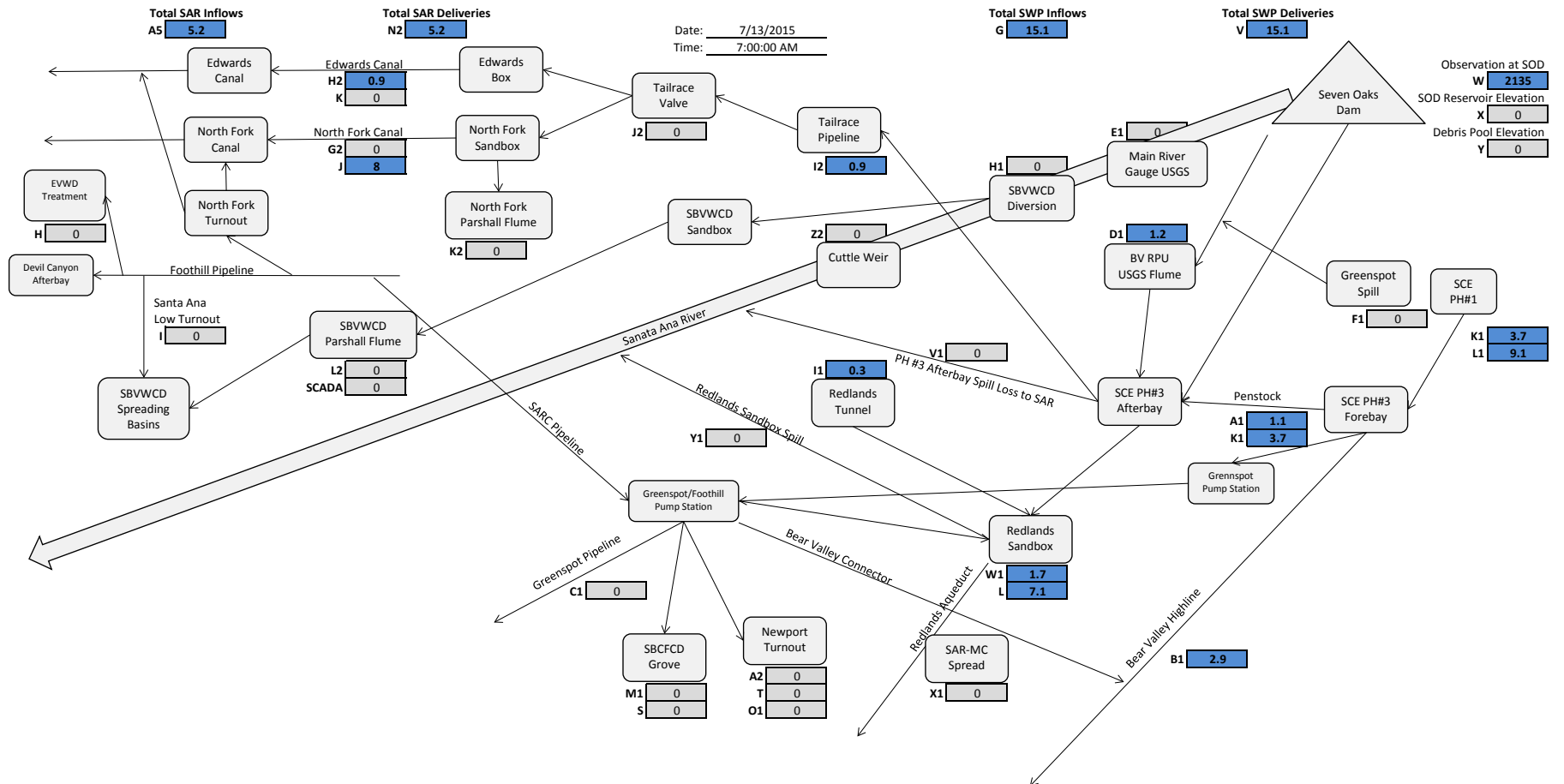
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/14/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	8.5
N2	Total SAR Deliveries	8.5
A1	SAR PH#3 Penstock (calc)	4.6
B1	BVMWC Highline	2.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.0
V	Total SWP Deliveries	16.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.5
U3	Total MC Deliveries	6.5
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.5

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	20.8

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/14/2015

Time: 7:00:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	16.0	K	Edwards Canal	0.0	S	SBFCFD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.0	T	Newport for BVMWC	1.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	16.0	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	16.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows																				
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		1.2	A1	SAR PH #3 Penstock (calc)		4.6																
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.7	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline		2.7																
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		1.2	C1	Greenspot Pipeline		0.0																
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam <table><tr><td>w</td><td>Observation at SOD</td><td>2135.0</td></tr><tr><td>x</td><td>SOD Reservoir Elevation</td><td>0.0</td></tr><tr><td>y</td><td>Debris Pool Elevation</td><td>0.0</td></tr></table>							w	Observation at SOD	2135.0	x	SOD Reservoir Elevation	0.0	y	Debris Pool Elevation	0.0	B1	BVMWC Highline		2.7	D1	BVMWC River PU (USGS)		1.2
w	Observation at SOD	2135.0																											
x	SOD Reservoir Elevation	0.0																											
y	Debris Pool Elevation	0.0																											
V1	PH#3 Afterbay SpillLoss to SAR	0.0	Other <table><tr><td>J1</td><td>Big Bear Lake Release</td><td>1.5</td></tr><tr><td>L1</td><td>SCE SAR AVM (SCADA)</td><td>7.3</td></tr><tr><td>X1</td><td>SAR-MC Spread (Red. Aqueduct)</td><td>0.0</td></tr></table>			J1	Big Bear Lake Release	1.5	L1	SCE SAR AVM (SCADA)	7.3	X1	SAR-MC Spread (Red. Aqueduct)	0.0	F1							Greenspot Spill		0.0					
J1	Big Bear Lake Release	1.5																											
L1	SCE SAR AVM (SCADA)	7.3																											
X1	SAR-MC Spread (Red. Aqueduct)	0.0																											
w1	Redlands Aqueduct / Sandbox	6.1				E1							Main River Gage (USGS)		0.0														
Y1	Redlands Sandbox Spill	0.0				D1a							BV Pick-Up gated		☐														
minus						A5							Total SAR Inflows		8.5														
F1	Greenspot Spill	0.0																											
D1	BVMWC River PU (USGS)	1.2																											
I1	Redlands Tunnel	0.3																											
A1	SAR PH #3 Penstock (calc)	4.6																											
K1	PH3# Penstock (SCADA)	4.0																											

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.7
	minus	
B2	Gay Overflow	2.7
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.1
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
	minus	
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	8.5

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.2	E3	M/C #1 Penstock Flow	6.5
B3	M/C #3 Penstock	5.3	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.5			

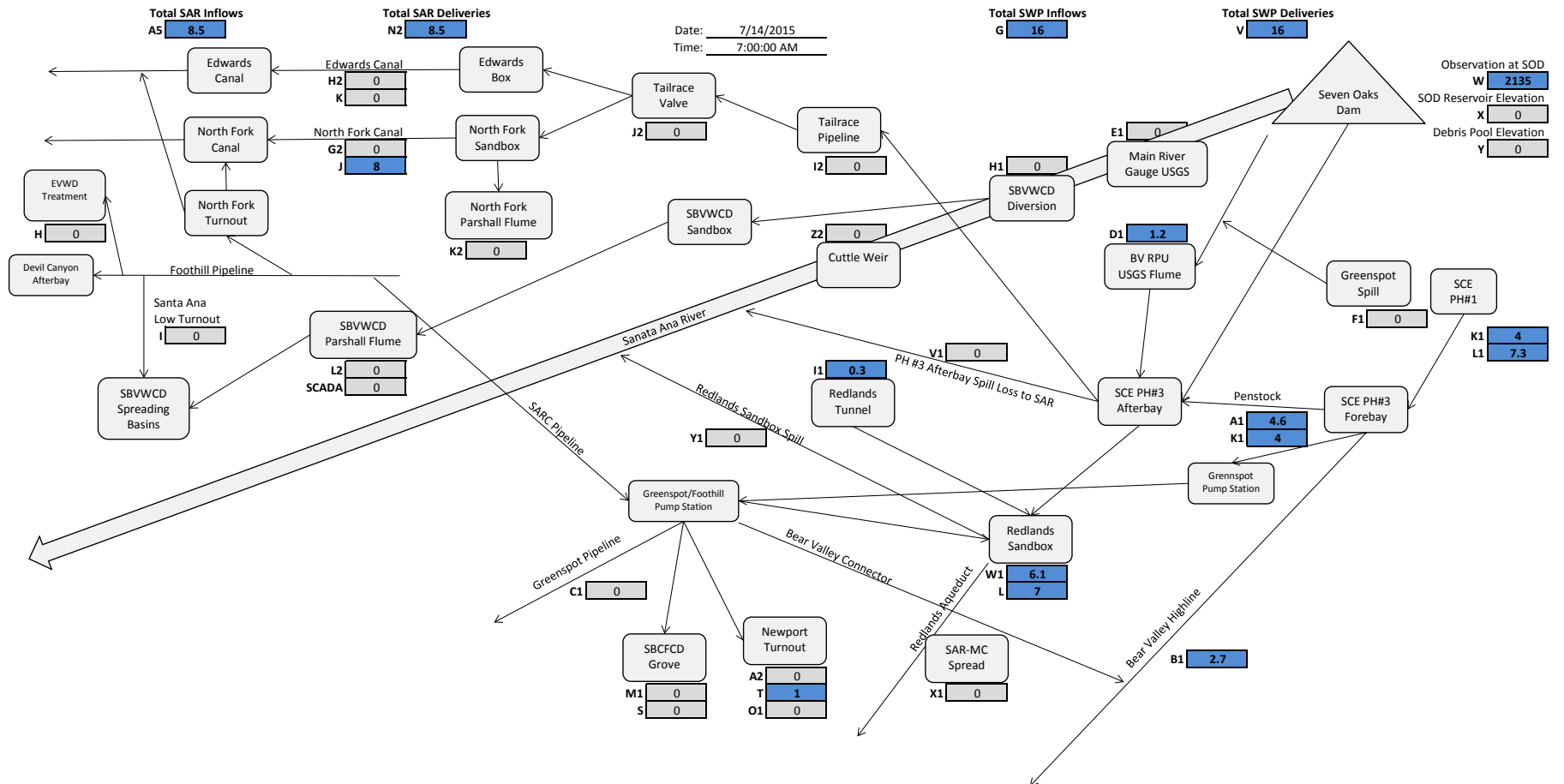
Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.8
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.5	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.5	u3	Total MC Deliveries	6.5	v3	Zanja West Weir to CWC Canal	0.6
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.5				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	18.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cattle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/15/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	7.2
N2	Total SAR Deliveries	7.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.0
V	Total SWP Deliveries	16.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.8

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.9
U3	Total MC Deliveries	6.9
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.9

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	18.5
Mentone Reservoir Level	21

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/15/2015
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	16.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	16.0	N	BVMWC Boullion Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.8
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	16.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	4.8
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	1.6
D1	BVMWC River PU (USGS)	2.9
I1	Redlands Tunnel	0.3
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	2.7
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	2.7
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	4.9
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	2.9
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	2.9
Seven Oaks Dam		
w	Observation at SOD	2135.0
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	2.7
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	2.9
F1	Greenspot Spill	1.6
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	7.2

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.7
minus		
B2	Gay Overflow	2.7
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	7.2

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.1
B3	M/C #3 Penstock	5.8
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.9

Other		
E3	M/C #1 Penstock Flow	6.9
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.9	R3	Boullioum to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	6.9	V3	Zanja West Weir to CWC Canal	0.8
			T3	MC #1 Flow (Cooley Hat)	6.9				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	18.5

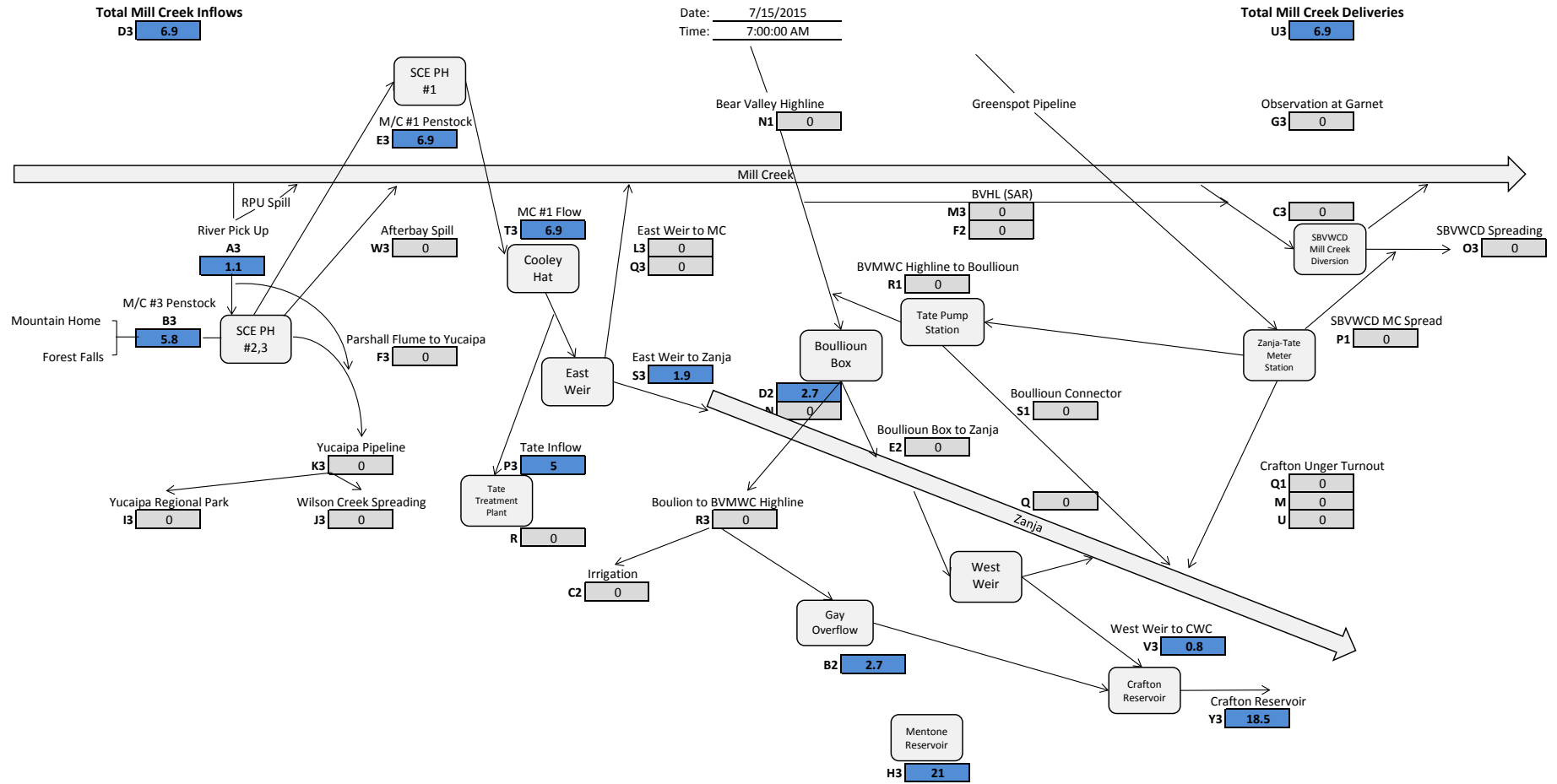
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

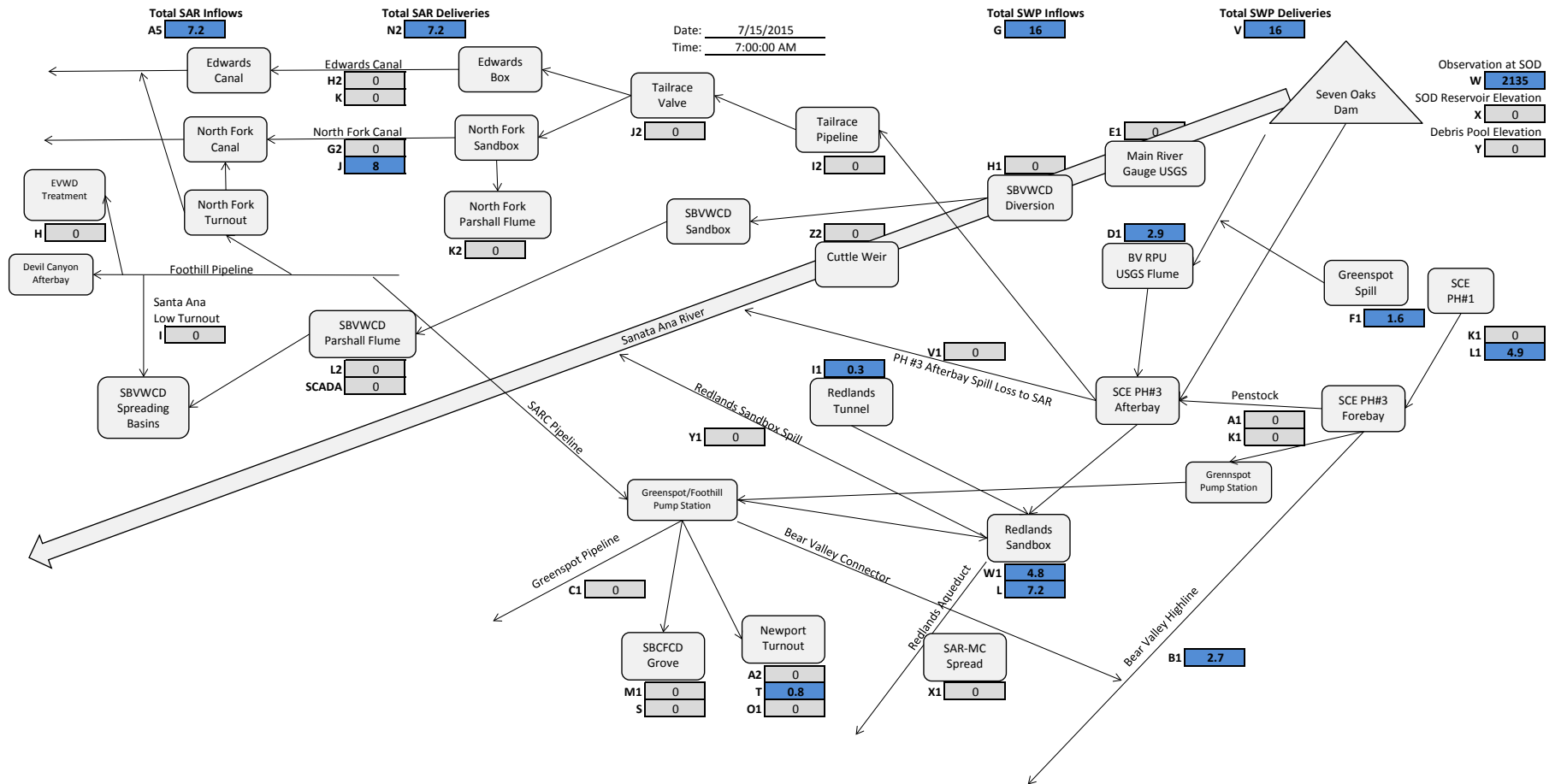
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/16/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	7.7
N2	Total SAR Deliveries	7.7
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.2
V	Total SWP Deliveries	15.2
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.9
U3	Total MC Deliveries	6.9
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.9

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	19
Mentone Reservoir Level	20.5

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/16/2015

Time: 6:45:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	15.2	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2	T	Newport for BVMWC	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.2	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	15.2

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.1	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.8	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	2.8	
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam w Observation at SOD 2135.0 x SOD Reservoir Elevation 0.0 y Debris Pool Elevation 0.0						
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline								2.8
W1	Redlands Aqueduct / Sandbox	5.2	Other J1 Big Bear Lake Release 1.5 L1 SCE SAR AVM (SCADA) 7.4 X1 SAR-MC Spread (Red. Aqueduct) 0.0									
Y1	Redlands Sandbox Spill	0.0										
minus												
F1	Greenspot Spill	2.8										
D1	BVMWC River PU (USGS)	2.1										
I1	Redlands Tunnel	0.3										
A1	SAR PH #3 Penstock (calc)	0.0										
K1	PH3# Penstock (SCADA)	0.0										
			<div><div>D1a</div><div>BV Pick-Up gated</div><div>☐</div></div> <div><div>A5</div><div colspan="2">Total SAR Inflows</div><div>7.7</div></div>									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.8
	minus	
B2	Gay Overflow	2.8
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
	minus	
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	7.7

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.1	E3	M/C #1 Penstock Flow	6.9
B3	M/C #3 Penstock	5.8	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.9			

Mill Creek Deliveries

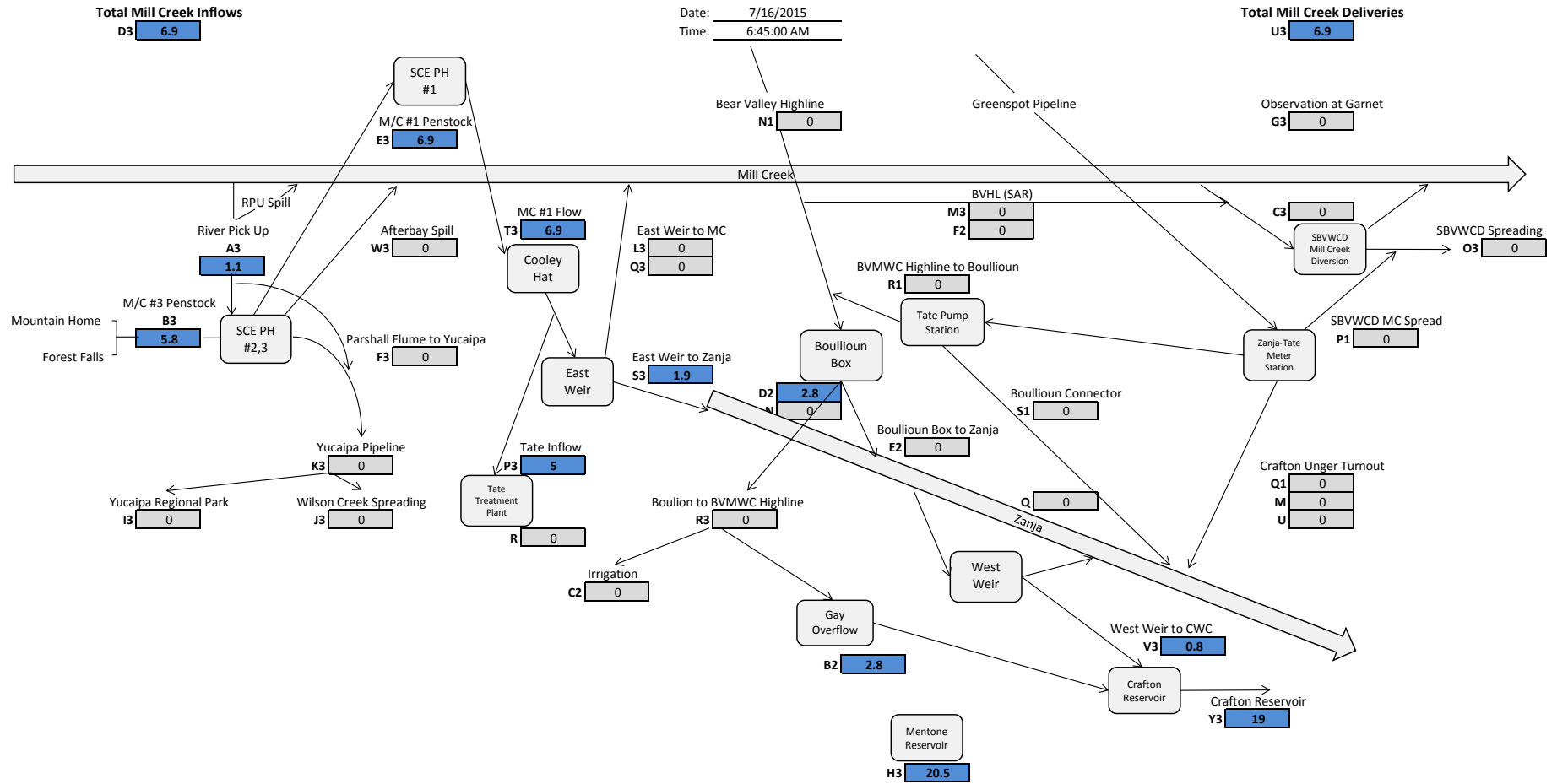
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.9	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	6.9	V3	Zanja West Weir to CWC Canal	0.8
SBVWCD MC Spreading			T3	MC #1 Flow (Cooley Hat)	6.9				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
								Y3	Crafton Reservoir Level (21.3)	19.0	

SBVWCD Recharge

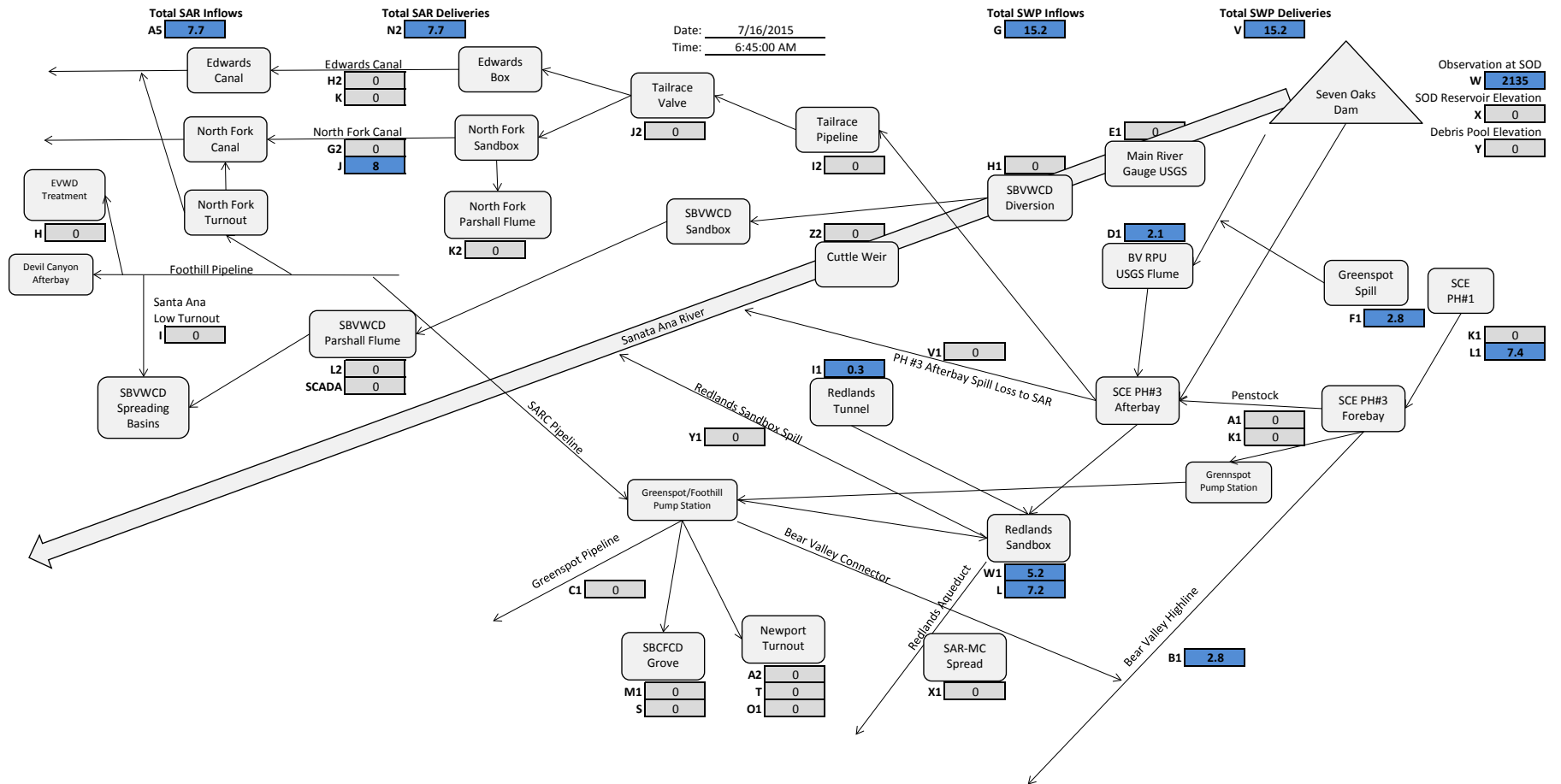
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cattle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/17/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.0
N2	Total SAR Deliveries	6.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	7.9
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.1
U3	Total MC Deliveries	6.1
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.1

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	20.5

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,689	123,000
134	0
81	0
960	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/17/2015
Time: 6:45:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	7.9
D	Purchased Water	15.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.0	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		2.5	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.1	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.1		
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		2.5	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	2.5		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		2.1					F1	Greenspot Spill	1.4	
W1	Redlands Aqueduct / Sandbox	4.2										E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0										D1a	BV Pick-Up gated	☐
		minus										A5	Total SAR Inflows	6.0
F1	Greenspot Spill	1.4												
D1	BVMWC River PU (USGS)	2.5												
I1	Redlands Tunnel	0.3												
A1	SAR PH #3 Penstock (calc)		0.0											
K1	PH3# Penstock (SCADA)		0.0											

J1	Big Bear Lake Release		1.5
L1	SCE SAR AVM (SCADA)		5.4
X1	SAR-MC Spread (Red. Aqueduct)		0.0

w	Observation at SOD	2135.0
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.1
minus		
B2	Gay Overflow	2.1
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	6.0

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.0
B3	M/C #3 Penstock	5.1
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.1

Other		
E3	M/C #1 Penstock Flow	6.1
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.1	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.1	U3	Total MC Deliveries	6.1	V3	Zanja West Weir to CWC Canal	0.5
			T3	MC #1 Flow (Cooley Hat)	6.1				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	18.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,688.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	959.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

The diagram illustrates the Mill Creek water distribution system, showing the flow of water from various sources through a network of pipes, weirs, and treatment plants. The system is divided into several sections, each with its own set of flow rates and spill indicators.

Key Components and Flow Rates:

- Mill Creek Main Line:** Flow rate is 0.
- SCE PH #1:** Flow rate is 6.1.
- SCE PH #2,3:** Flow rate is 5.1.
- Tate Treatment Plant:** Flow rate is 5.
- Boulliou Box:** Flow rate is 2.1.
- Tate Pump Station:** Flow rate is 0.
- West Weir:** Flow rate is 0.5.
- Crafton Reservoir:** Flow rate is 18.
- Mentone Reservoir:** Flow rate is 20.5.

Spill Indicators:

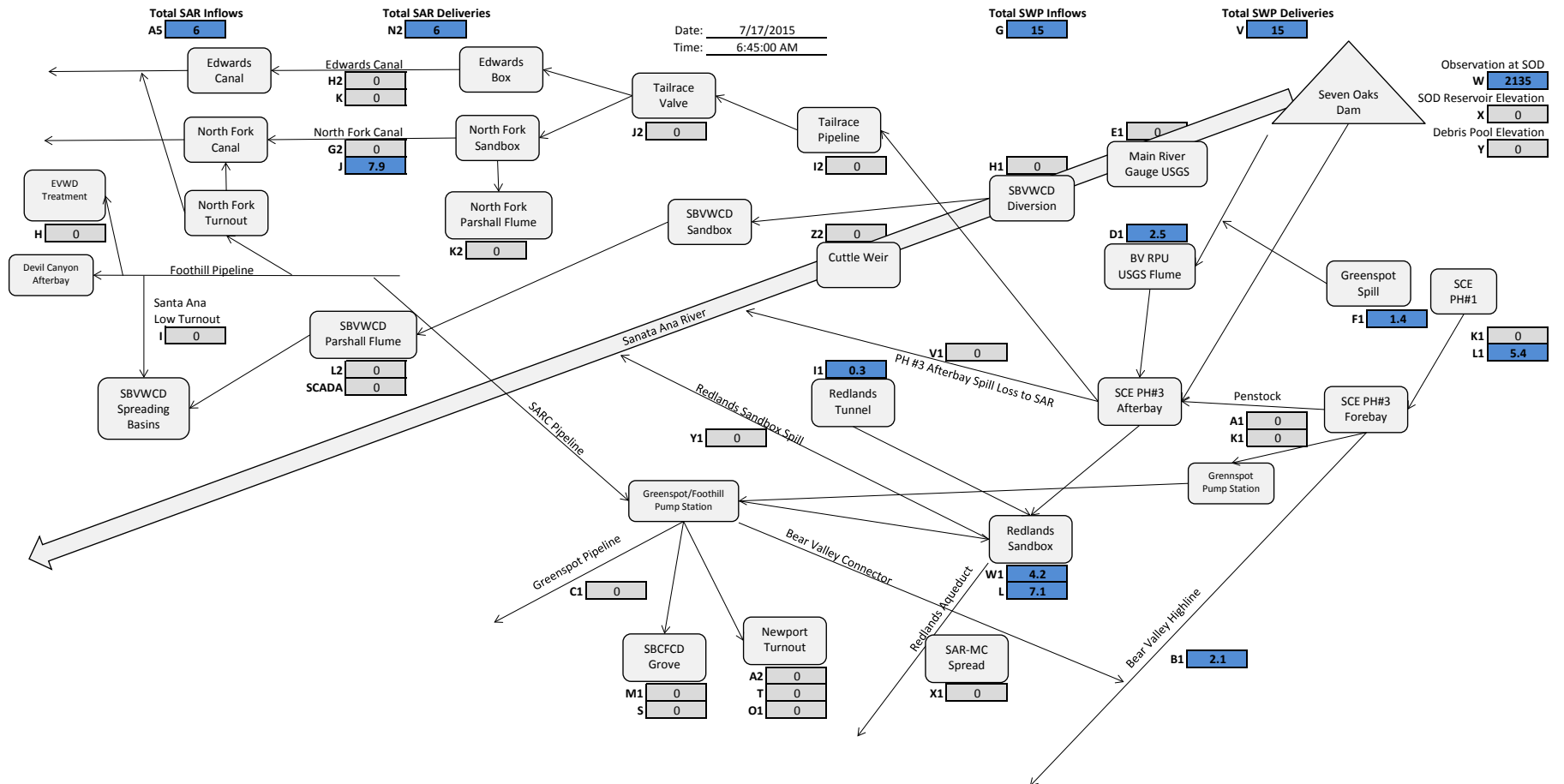
- RPU Spill:** Flow rate is 1.
- Afterbay Spill:** Flow rate is 0.
- Parshall Flume to Yucaipa:** Flow rate is 0.

Other Flow Rates:

- East Weir to MC:** Flow rate is 0.
- East Weir to Zanja:** Flow rate is 1.1.
- Yucaipa Pipeline:** Flow rate is 0.
- Wilson Creek Spreading:** Flow rate is 0.
- Yucaipa Regional Park:** Flow rate is 0.
- Irrigation:** Flow rate is 0.
- Gay Overflow:** Flow rate is 2.1.
- West Weir to CWC:** Flow rate is 0.5.
- Crafton Reservoir:** Flow rate is 18.
- Mentone Reservoir:** Flow rate is 20.5.

Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/20/2015
Time: 7:20:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	1.7
N2	Total SAR Deliveries	1.7
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.7
L2	SBVMWD Parshall Flume	1.1
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.8
V	Total SWP Deliveries	15.8
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.7

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	10.0
U3	Total MC Deliveries	10.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	10.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2139.5
Crafton Reservoir Level (21.3)	19.8
Mentone Reservoir Level	20

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,710	123,000
134	0
81	0
971	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/20/2015

Time: 7:20:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	15.8	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1	T	Newport for BVMWC	0.7
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.8	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	15.8

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		1.7	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	0.6	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	0.0		
J1	Tailrace Valve	1.1	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		1.7	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam								
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline									0.0	
W1	Redlands Aqueduct / Sandbox	0.4	Other											
Y1	Redlands Sandbox Spill	0.0												
minus						J1	Big Bear Lake Release		1.5					
F1	Greenspot Spill	0.0	L1	SCE SAR AVM (SCADA)		0.0	W	Observation at SOD	2139.5	F1	Greenspot Spill	0.0		
D1	BVMWC River PU (USGS)	1.7	X1	SAR-MC Spread (Red. Aqueduct)		0.0	X	SOD Reservoir Elevation	0.0	E1	Main River Gage (USGS)	0.0		
I1	Redlands Tunnel	0.4										D1a	BV Pick-Up gated	☐
A1	SAR PH #3 Penstock (calc)											0.0		
K1	PH3# Penstock (SCADA)											0.0		
Total SAR Inflows													1.7	

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.6
J2	Tailrace Valve to Parshall Flume	1.1
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.7

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	1.1
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	1.1
	Parshall Flume (SCADA)	1.1

Irrigation		
D2	Boullioun Box Weir	0.0
	minus	
B2	Gay Overflow	0.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.7
L2	SBVWCD Parshall Flume	1.1
	minus	
J2	Tailrace Valve	1.1
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	1.7

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	0.0
B3	M/C #3 Penstock	0.0	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	10.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	10.0			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	0.0	c3	SBVWCD Mill Creek Diversion	10.0	h3	Mentone Reservoir Level	20.0
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	0.0	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	10.0	v3	Zanja West Weir to CWC Canal	0.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	0.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	19.8

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	21.3	I4	2,709.9	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	11.6	K4	971.3	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cattle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/21/2015
Time: 6:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	2.6
N2	Total SAR Deliveries	2.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	2.2
L2	SBVMWD Parshall Flume	1.7
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.2
V	Total SWP Deliveries	15.2
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.2
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	0.0
U3	Total MC Deliveries	0.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2139.5
Crafton Reservoir Level (21.3)	19.8
Mentone Reservoir Level	19.7

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,712	123,000
134	0
81	0
975	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/21/2015
Time: 6:30:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.2	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.2
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.2	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.2

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		2.6	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	0.5	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	0.0		
J2	Tailrace Valve	1.7	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		2.6	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	2.6		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		0.0					F1	Greenspot Spill	0.0	
W1	Redlands Aqueduct / Sandbox	0.8										E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0										D1a	BV Pick-Up gated	☐
minus												A5	Total SAR Inflows	2.6
F1	Greenspot Spill	0.0												
D1	BVMWC River PU (USGS)	2.6												
I1	Redlands Tunnel	0.4												
A1	SAR PH #3 Penstock (calc)		0.0											
K1	PH3# Penstock (SCADA)		0.0											

Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

w	Observation at SOD	2139.5
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.5
J2	Tailrace Valve to Parshall Flume	1.7
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	2.2

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	1.7
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	1.7
	Parshall Flume (SCADA)	1.7

Irrigation		
D2	Boullioun Box Weir	0.0
minus		
B2	Gay Overflow	0.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	2.2
L2	SBVWCD Parshall Flume	1.7
minus		
J2	Tailrace Valve	1.7
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	2.6

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	0.0

Other		
E3	M/C #1 Penstock Flow	0.0
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.7
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	0.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	19.8

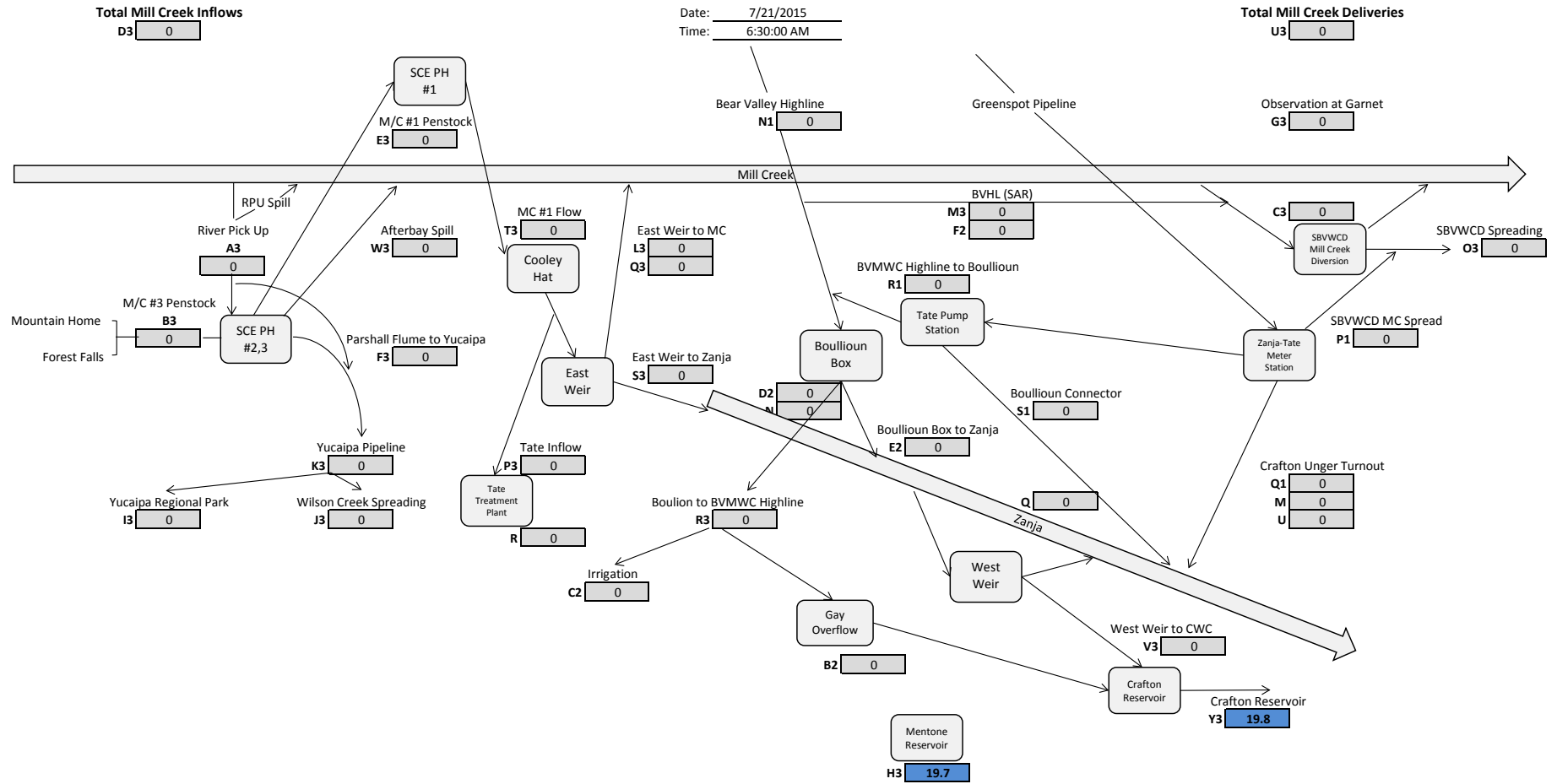
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	2.2	I4	2,712.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	2.0	K4	975.1	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

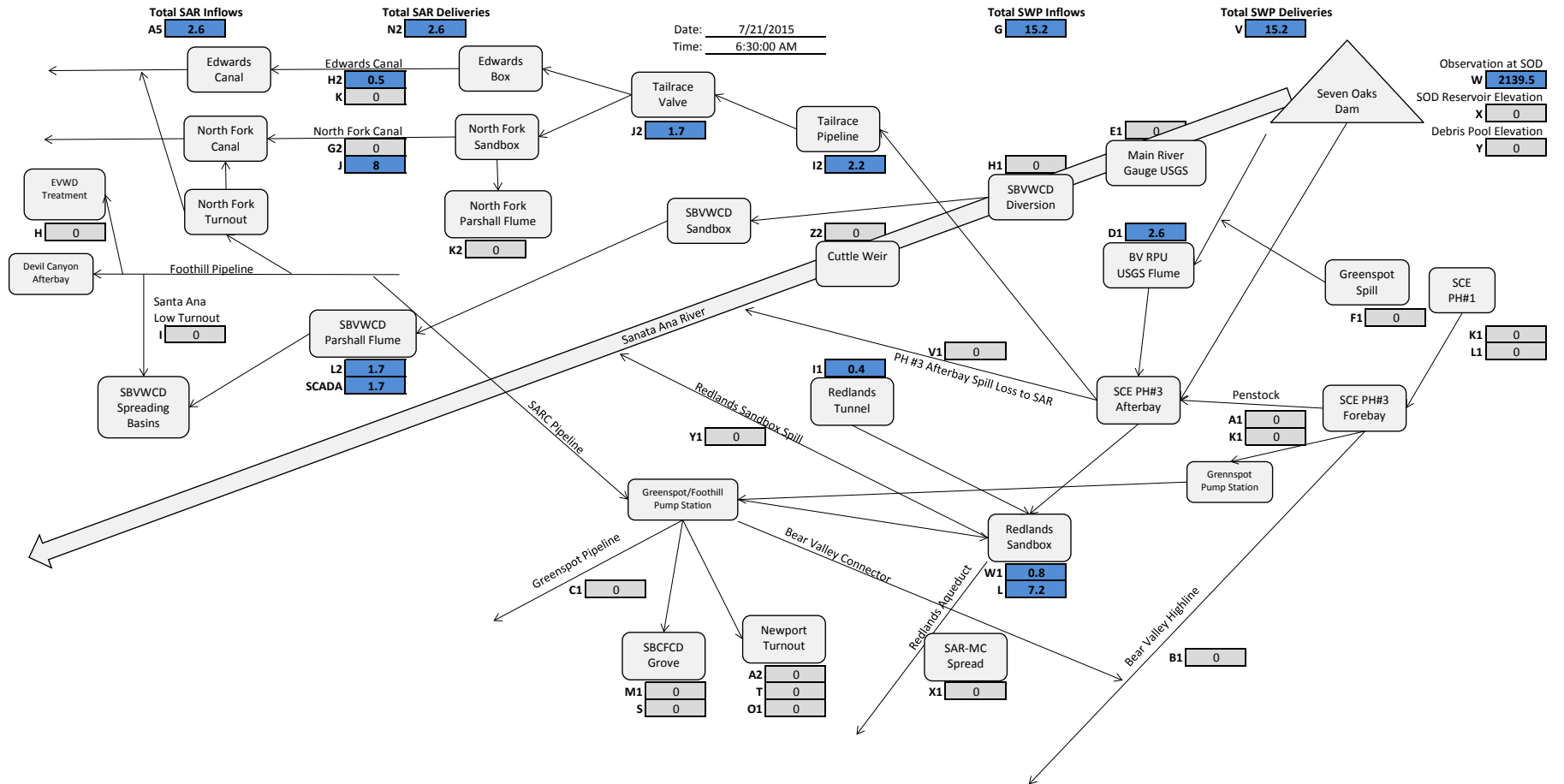
Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/22/2015
Time: 7:25:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.3
N2	Total SAR Deliveries	6.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.9
L2	SBVMWD Parshall Flume	3.9
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	7.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	5.6
U3	Total MC Deliveries	5.6
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	5.6

Reservoir Levels	Feet
Observation at SOD	2139.5
Crafton Reservoir Level (21.3)	21.3
Mentone Reservoir Level	20.1

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
975	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/22/2015
Time: 7:25:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.0	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve	3.9
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	0.4
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	1.3
D1	BVMWC River PU (USGS)	2.6
I1	Redlands Tunnel	0.4
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	2.4
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	2.4
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	1.2
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	2.6
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	2.6
Seven Oaks Dam		
w	Observation at SOD	2139.5
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	2.6
F1	Greenspot Spill	1.3
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	6.3

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	3.9
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	3.9

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	3.9
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	3.9
	Parshall Flume (SCADA)	3.9

Irrigation		
D2	Boullioun Box Weir	2.4
		minus
B2	Gay Overflow	1.8
C2	Irrigation	0.6

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.9
L2	SBVWCD Parshall Flume	3.9
		minus
J2	Tailrace Valve	3.9
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	6.3

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	5.6
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	5.6

Other		
E3	M/C #1 Penstock Flow	5.6
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	5.6	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	5.6	U3	Total MC Deliveries	5.6	V3	Zanja West Weir to CWC Canal	3.5
			T3	MC #1 Flow (Cooley Hat)	5.6				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	21.3

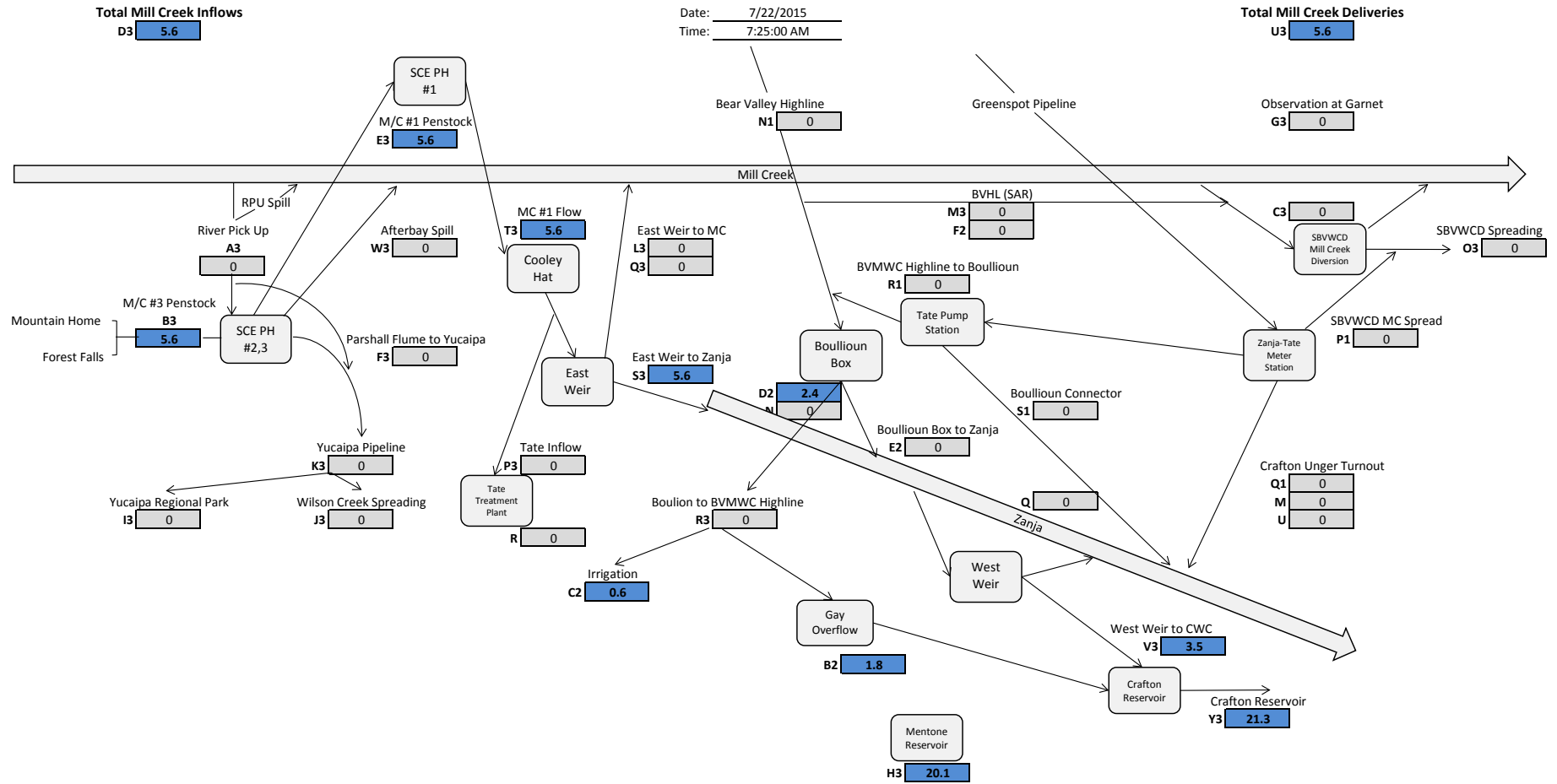
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

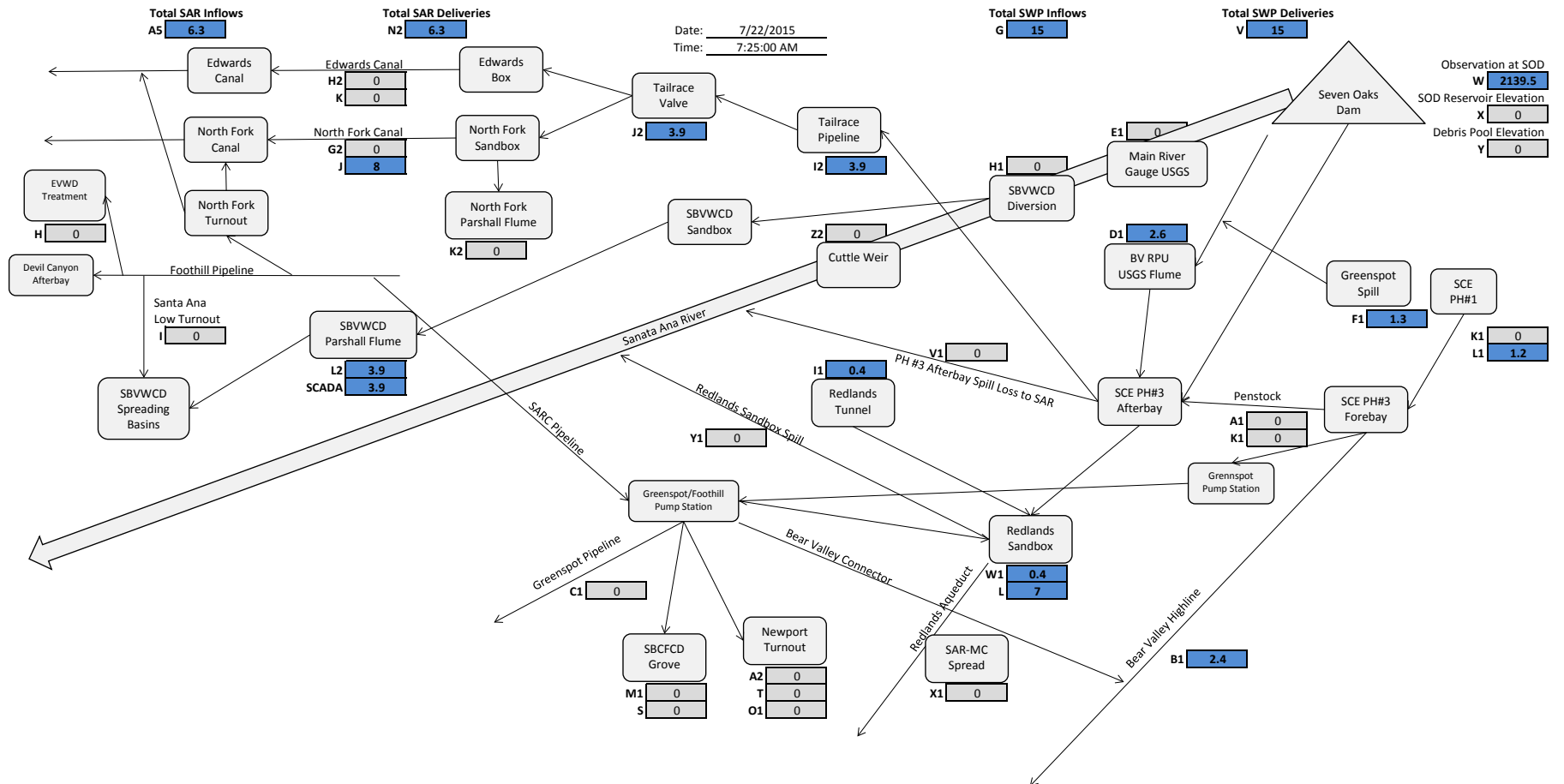
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	7.5	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	2.0	K4	975.1	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/23/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.1
N2	Total SAR Deliveries	12.1
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.5
V	Total SWP Deliveries	15.5
J	Northfork Canal	7.9
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.5

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.6
U3	Total MC Deliveries	7.6
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	2.0
T3	MC #1 Flow (Cooley Hat)	7.6

Reservoir Levels	Feet
Observation at SOD	2139.5
Crafton Reservoir Level (21.3)	21.3
Mentone Reservoir Level	21.3

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/23/2015
Time: 6:45:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	7.9
D	Purchased Water	15.5	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.5	N	BVMWC Boulliou Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.5
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.5

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		3.5	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	1.9	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	1.9
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.5	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	3.5
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		1.9				F1	Greenspot Spill	6.7
W1	Redlands Aqueduct / Sandbox	10.9					Seven Oaks Dam			E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0					w	Observation at SOD	2139.5	D1a	BV Pick-Up gated	☐
minus			Other			x	SOD Reservoir Elevation		0.0	A5	Total SAR Inflows	
F1	Greenspot Spill	6.7	J1	Big Bear Lake Release	1.5	y	Debris Pool Elevation		0.0			12.1
D1	BVMWC River PU (USGS)	3.5	L1	SCE SAR AVM (SCADA)	8.8							
I1	Redlands Tunnel	0.7	X1	SAR-MC Spread (Red. Aqueduct)	0.0							
A1	SAR PH #3 Penstock (calc)		0.0									
K1	PH3# Penstock (SCADA)		0.0									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	1.9
minus		
B2	Gay Overflow	1.9
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	10.9
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	1.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.7
N2	Total SAR Deliveries	12.1

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	2.0
B3	M/C #3 Penstock	5.6
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	7.6

Other		
E3	M/C #1 Penstock Flow	7.6
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

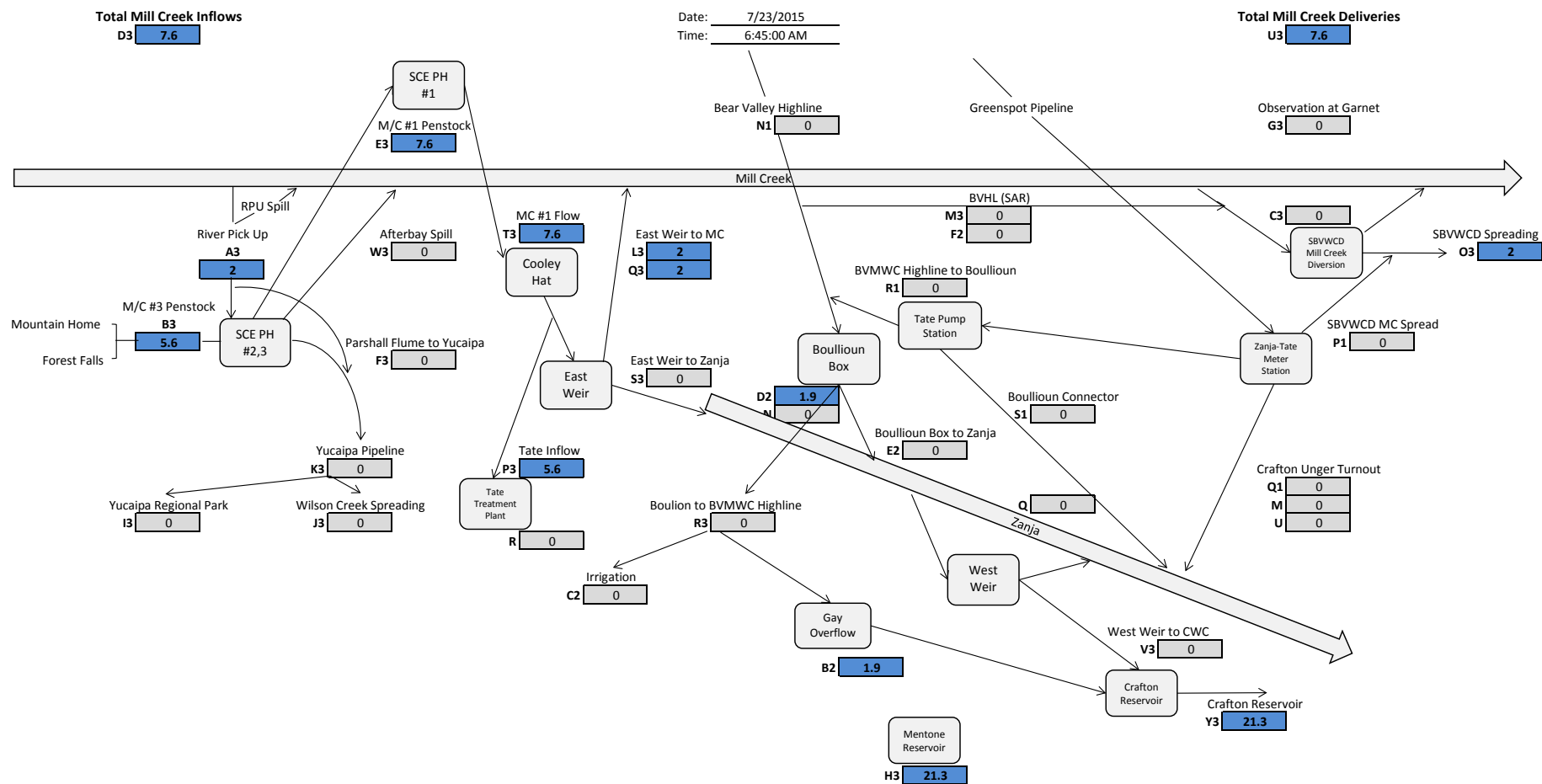
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.6	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	2.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.6	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	7.6	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	7.6				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	21.3

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	2.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	2.0

SBVWCD Recharge

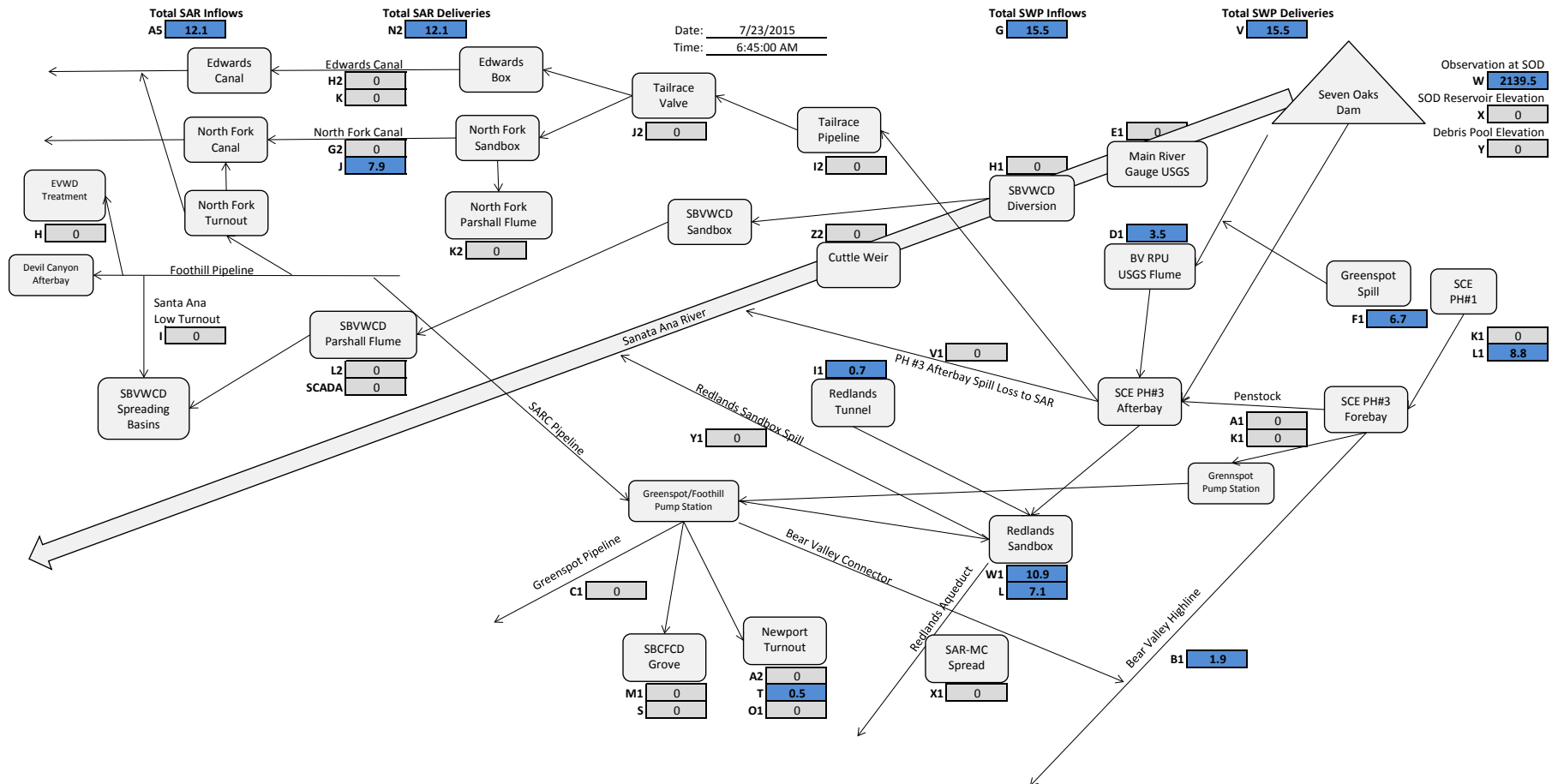
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	5.6	K4	980.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project
Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/24/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	11.3
N2	Total SAR Deliveries	11.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	1.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	7.9
L	Redlands Aqueduct	7.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.5
U3	Total MC Deliveries	7.5
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.5

Reservoir Levels	Feet
Observation at SOD	2140
Crafton Reservoir Level (21.3)	21.3
Mentone Reservoir Level	21.3

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/24/2015
Time: 7:00:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	7.9
D	Purchased Water	15.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	7.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.0	N	BVMWC Boullioun Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		3.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	1.9	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	1.9
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.7	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	3.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		1.9				F1	Greenspot Spill	5.7
W1	Redlands Aqueduct / Sandbox	9.8					Seven Oaks Dam			E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0					w	Observation at SOD	2140.0	D1a	BV Pick-Up gated	☐
minus							x	SOD Reservoir Elevation	0.0	A5	Total SAR Inflows	
F1	Greenspot Spill	5.7	Other				y	Debris Pool Elevation	0.0	11.3		
D1	BVMWC River PU (USGS)	3.7	J1	Big Bear Lake Release	1.5							
I1	Redlands Tunnel	0.4	L1	SCE SAR AVM (SCADA)	7.2							
A1	SAR PH #3 Penstock (calc)		0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0						
K1	PH3# Penstock (SCADA)		0.0									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	1.9
minus		
B2	Gay Overflow	1.2
C2	Irrigation	0.7

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	9.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	1.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
minus		
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	11.3

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	2.0
B3	M/C #3 Penstock	5.5
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	7.5

Other		
E3	M/C #1 Penstock Flow	7.5
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.5	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.3
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.0	U3	Total MC Deliveries	7.5	V3	Zanja West Weir to CWC Canal	0.8
			T3	MC #1 Flow (Cooley Hat)	7.5				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	21.3

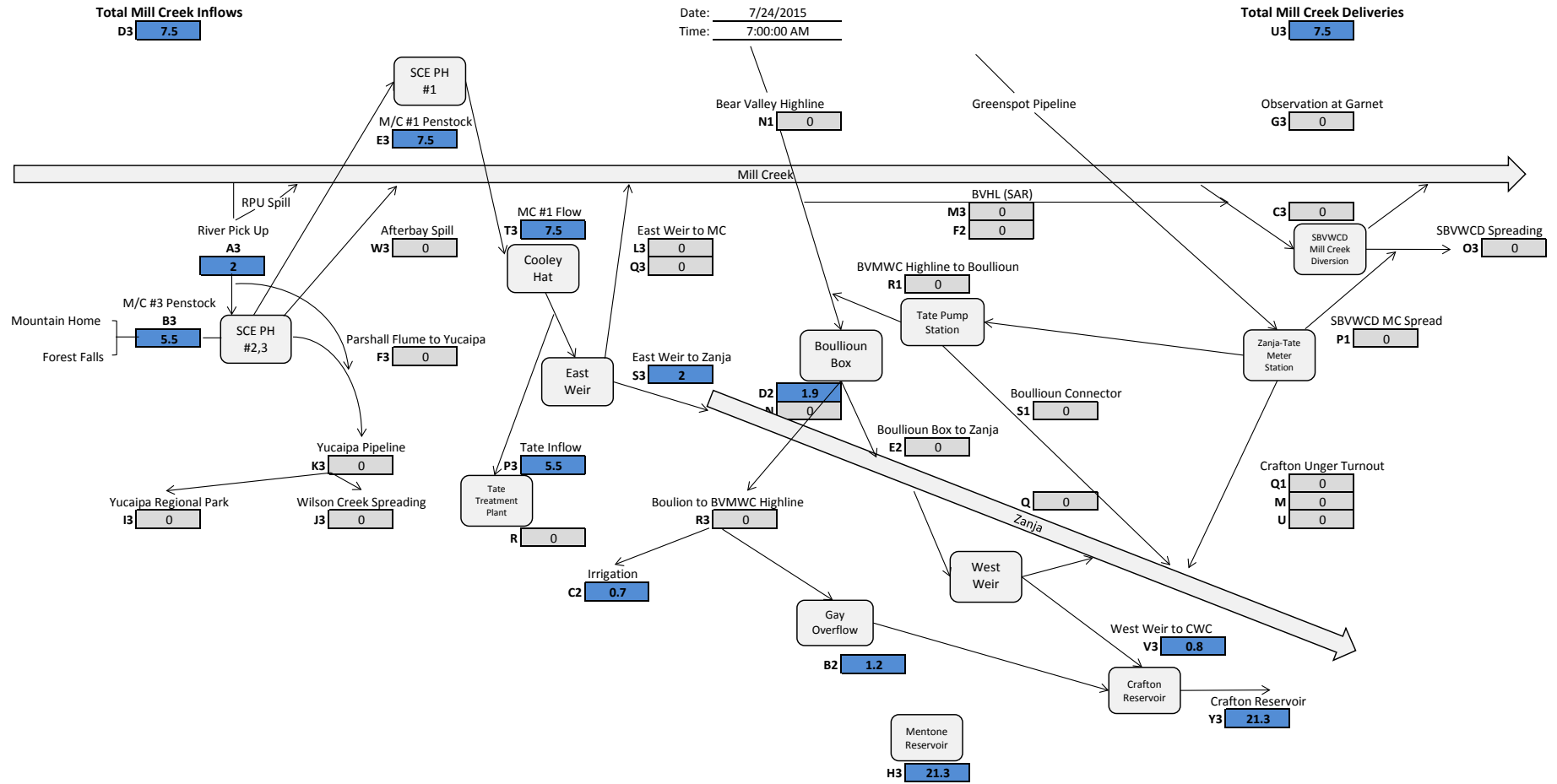
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.5	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

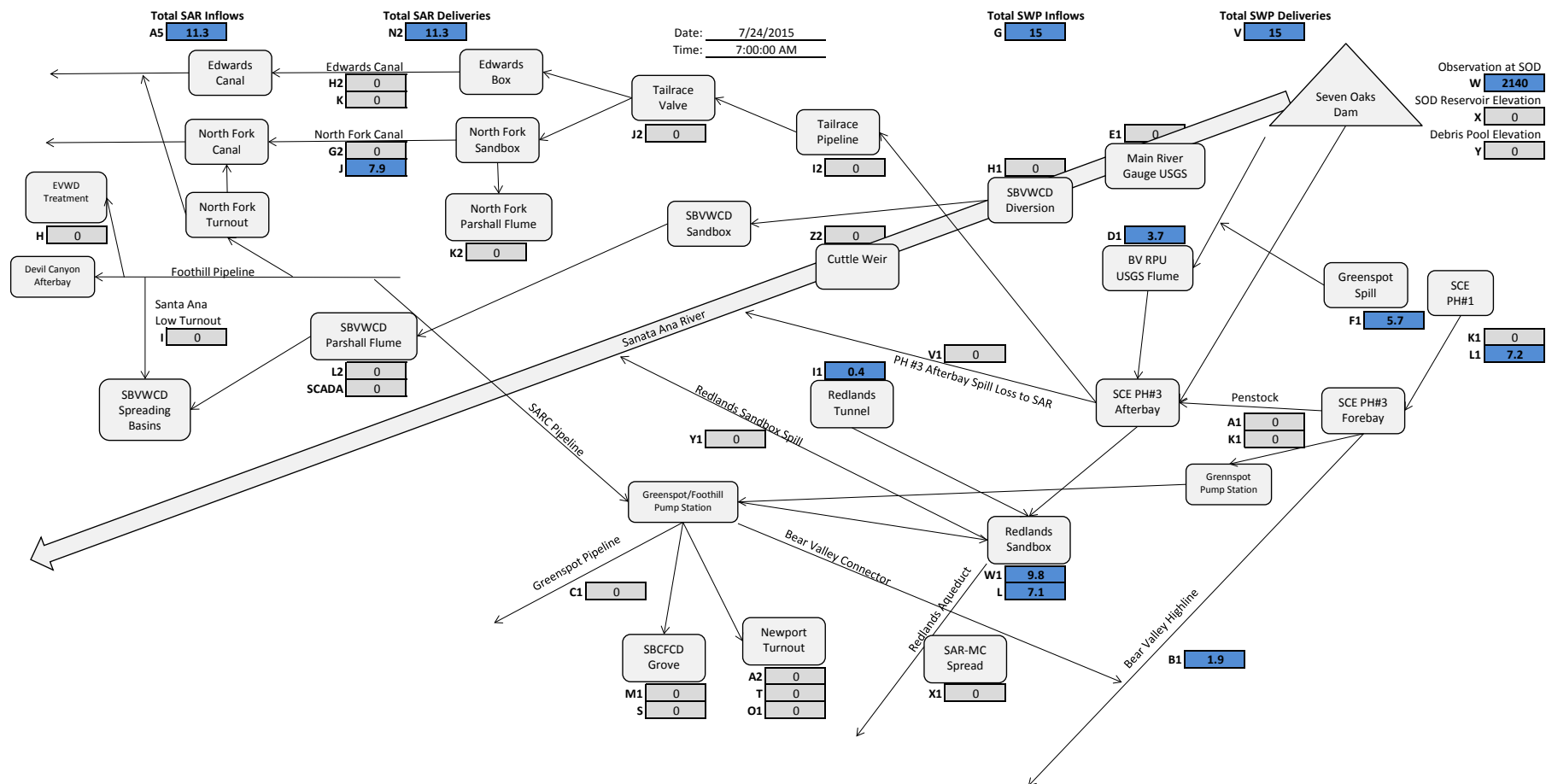
Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/27/2015
Time: 7:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.4
N2	Total SAR Deliveries	9.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.7
U3	Total MC Deliveries	6.7
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.7

Reservoir Levels	Feet
Observation at SOD	2140.6
Crafton Reservoir Level (21.3)	19
Mentone Reservoir Level	20.1

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/27/2015
Time: 7:45:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0
D	Purchased Water	15.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.0	N	BVMWC Boullion Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	1.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows						
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		4.8	A1	SAR PH #3 Penstock (calc)	0.0			
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.4	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.4			
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		4.8	C1	Greenspot Pipeline	0.0			
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0								D1	BVMWC River PU (USGS)	4.8
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		2.4							F1	Greenspot Spill	2.2
W1	Redlands Aqueduct / Sandbox	7.4							Seven Oaks Dam			E1	Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.0							W	Observation at SOD		2140.6	D1a	BV Pick-Up gated	☐
minus									X	SOD Reservoir Elevation		0.0	A5	Total SAR Inflows	9.4
F1	Greenspot Spill	2.2							Y	Debris Pool Elevation		0.0			
D1	BVMWC River PU (USGS)	4.8	Other			J1	Big Bear Lake Release		1.5						
I1	Redlands Tunnel	0.4				L1	SCE SAR AVM (SCADA)		5.5						
A1	SAR PH #3 Penstock (calc)	0.0				X1	SAR-MC Spread (Red. Aqueduct)		0.0						
K1	PH3# Penstock (SCADA)	0.0													

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.4
		minus
B2	Gay Overflow	1.1
C2	Irrigation	1.3

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	9.4

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.2
B3	M/C #3 Penstock	5.5
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.7

Other		
E3	M/C #1 Penstock Flow	6.7
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

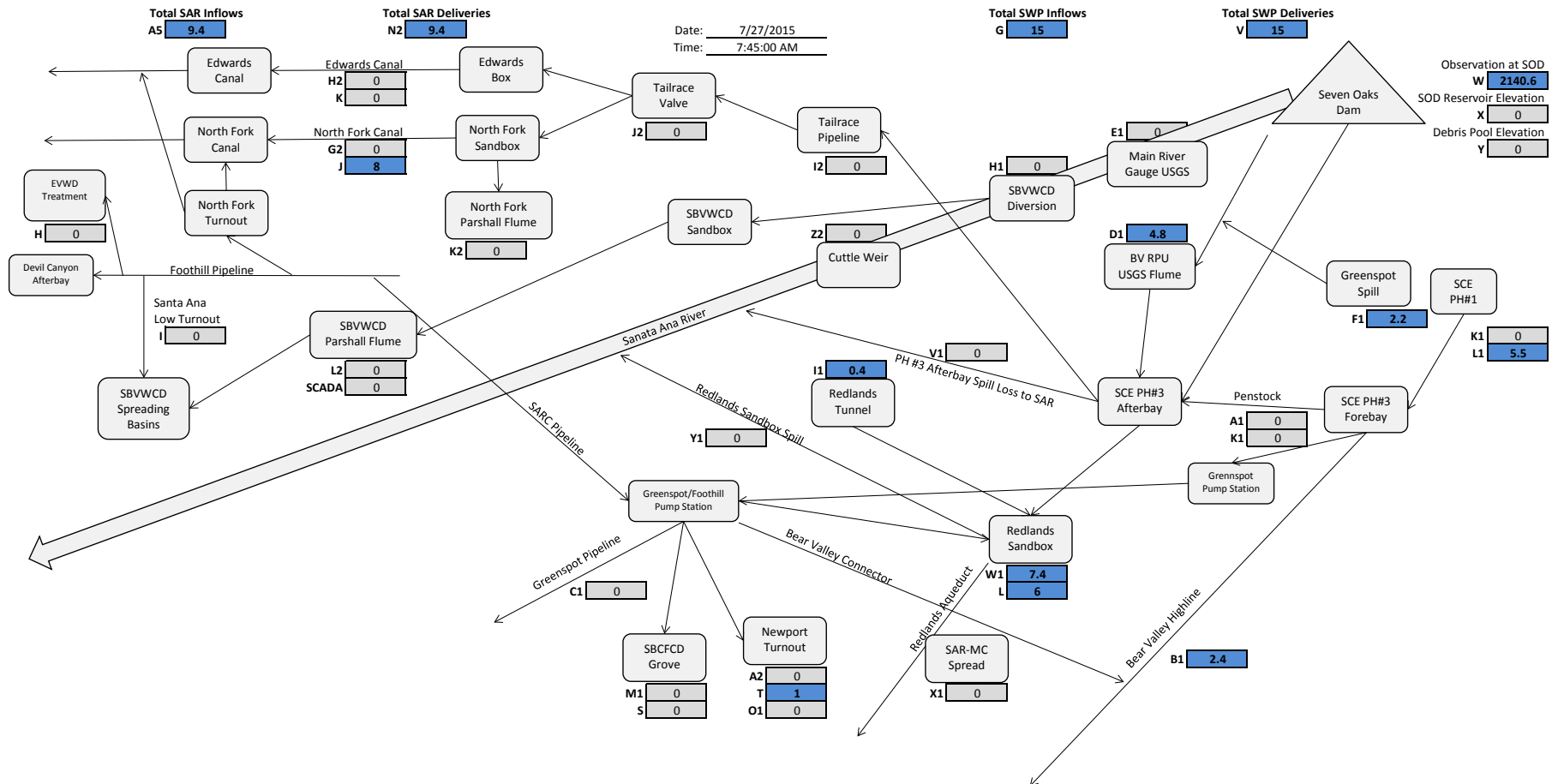
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	6.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.1
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.7	R3	Boullion to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.7	U3	Total MC Deliveries	6.7	V3	Zanja West Weir to CWC Canal	0.2
			T3	MC #1 Flow (Cooley Hat)	6.7				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	19.0

SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/28/2015
Time: 7:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.2
N2	Total SAR Deliveries	9.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.3
U3	Total MC Deliveries	7.3
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.3

Reservoir Levels	Feet
Observation at SOD	2140.6
Crafton Reservoir Level (21.3)	19.3
Mentone Reservoir Level	20.6

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/28/2015

Time: 7:45:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	15.0	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.0	T	Newport for BVMWC	1.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.0	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	15.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		4.4	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.4	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.4
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		4.4	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	4.4
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		2.4				F1	Greenspot Spill	2.4
W1	Redlands Aqueduct / Sandbox	7.2								E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0								D1a	BV Pick-Up gated	☐
minus										A5	Total SAR Inflows	9.2
F1	Greenspot Spill	2.4	Other									
D1	BVMWC River PU (USGS)	4.4	J1	Big Bear Lake Release	1.5	W	Observation at SOD		2140.6			
I1	Redlands Tunnel	0.4	L1	SCE SAR AVM (SCADA)	5.3	X	SOD Reservoir Elevation		0.0			
A1	SAR PH #3 Penstock (calc)	0.0	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation		0.0			
K1	PH3# Penstock (SCADA)	0.0										

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.4
		minus
B2	Gay Overflow	1.4
C2	Irrigation	1.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.2
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	9.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.8	E3	M/C #1 Penstock Flow	7.3
B3	M/C #3 Penstock	5.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	7.3			

Mill Creek Deliveries

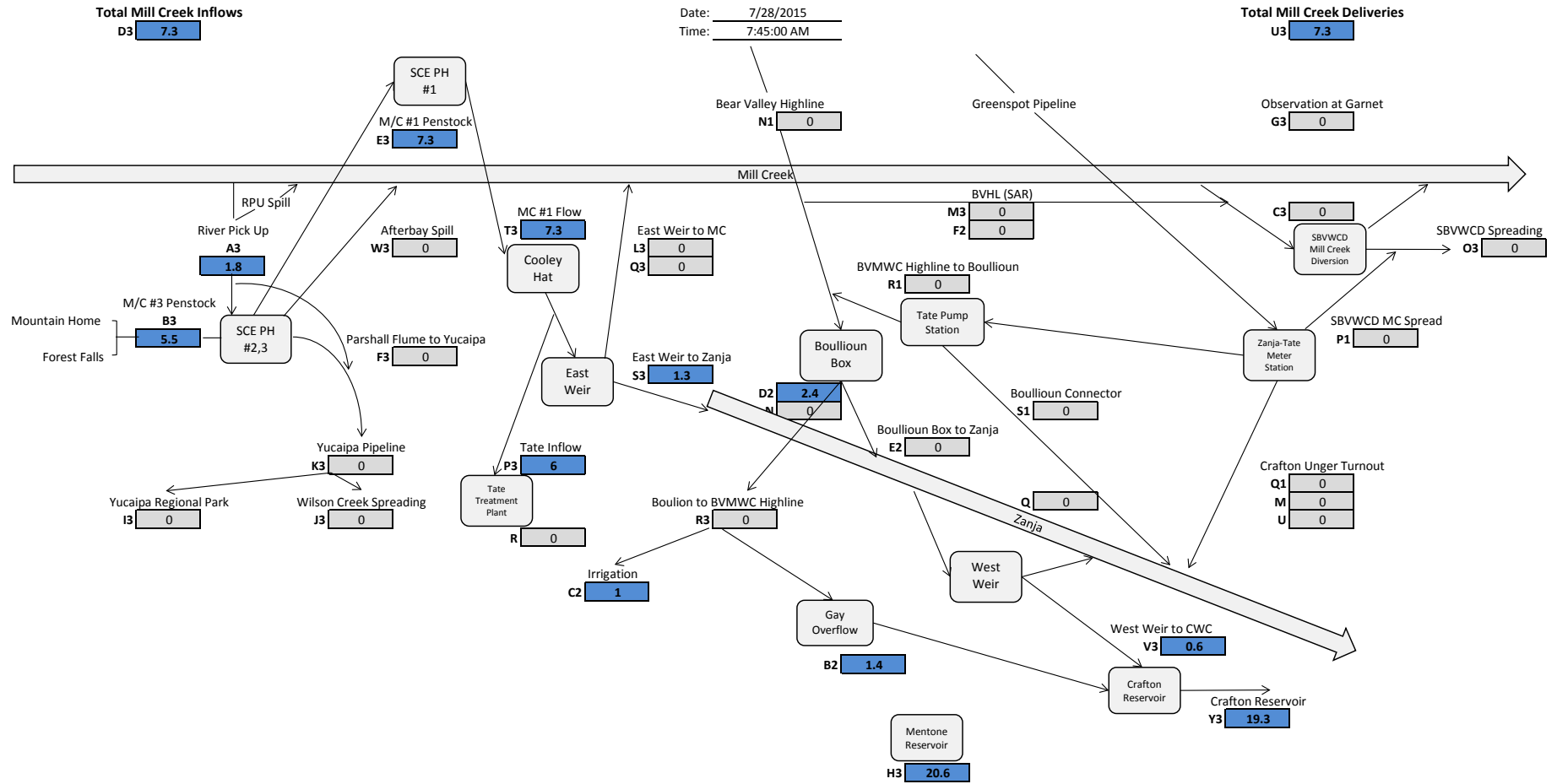
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	6.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.3	U3	Total MC Deliveries	7.3	V3	Zanja West Weir to CWC Canal	0.6
SBVWCD MC Spreading			T3	MC #1 Flow (Cooley Hat)	7.3				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	19.3

SBVWCD Recharge

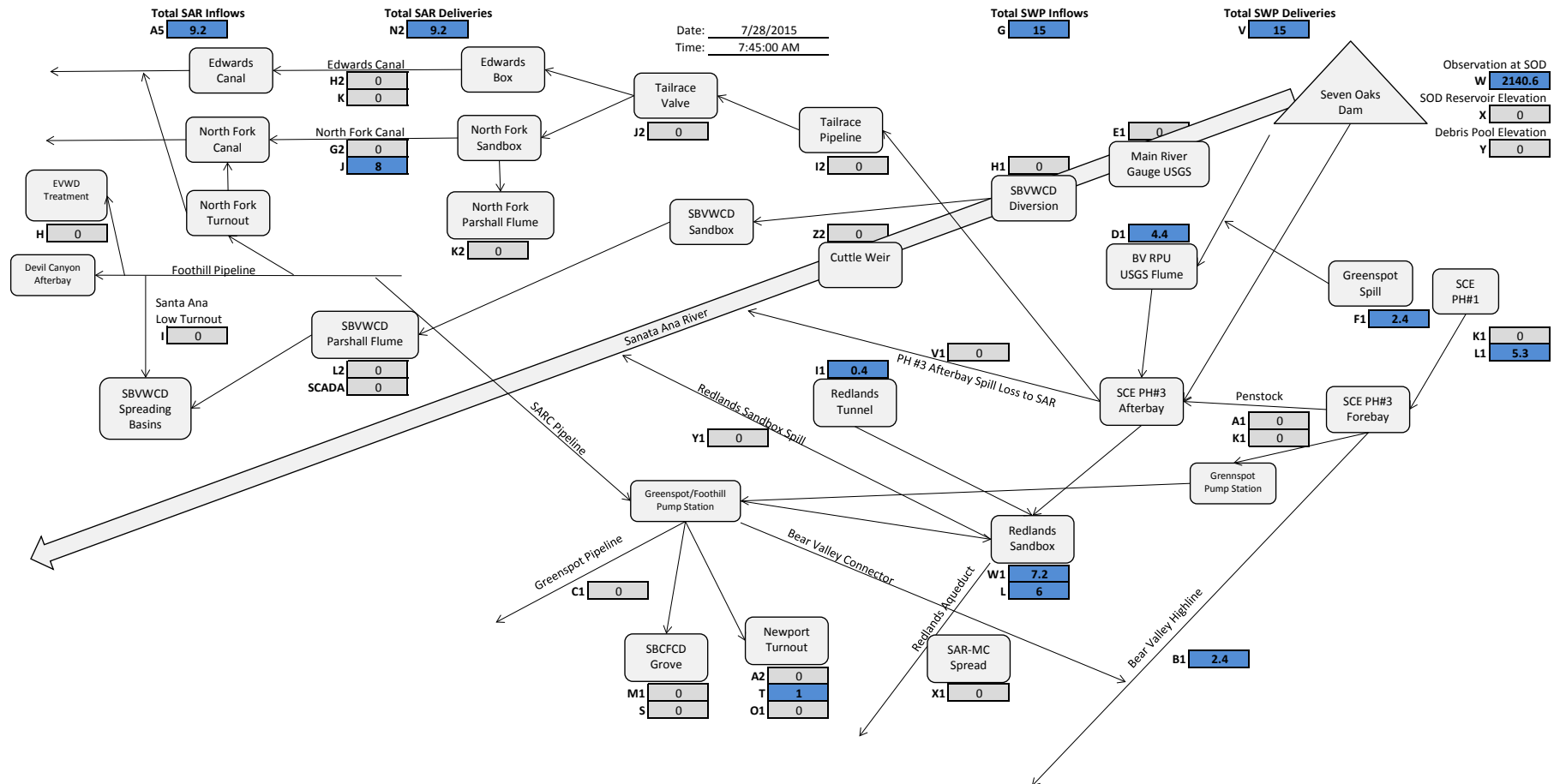
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/29/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	11.4
N2	Total SAR Deliveries	11.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	2.5
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.6
V	Total SWP Deliveries	14.6
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.5
U3	Total MC Deliveries	7.5
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.5

Reservoir Levels	Feet
Observation at SOD	2140.6
Crafton Reservoir Level (21.3)	18.6
Mentone Reservoir Level	21.3

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/29/2015

Time: 7:15:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	14.6	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.0	T	Newport for BVMWC	0.6
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	14.6	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	14.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows								
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		3.4	A1	SAR PH #3 Penstock (calc)	0.0					
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.5	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.5					
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.4	C1	Greenspot Pipeline	0.0					
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam			D1	BVMWC River PU (USGS)		3.4					
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline					2.5	F1	Greenspot Spill		5.5				
W1	Redlands Aqueduct / Sandbox	9.3	Other						W	Observation at SOD		2140.6	E1	Main River Gage (USGS)		0.0	
Y1	Redlands Sandbox Spill	0.0				J1	Big Bear Lake Release		1.5	X	SOD Reservoir Elevation		0.0	D1a	BV Pick-Up gated		☐
minus						L1	SCE SAR AVM (SCADA)		5.3	Y	Debris Pool Elevation		0.0	A5	Total SAR Inflows		11.4
F1	Greenspot Spill	5.5	X1	SAR-MC Spread (Red. Aqueduct)		0.0											
D1	BVMWC River PU (USGS)	3.4															
I1	Redlands Tunnel	0.4															
A1	SAR PH #3 Penstock (calc)		0.0														
K1	PH3# Penstock (SCADA)		0.0														

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	2.5
		minus
B2	Gay Overflow	1.4
C2	Irrigation	1.1

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	9.3
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	2.5
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	11.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	2.0	E3	M/C #1 Penstock Flow	7.5
B3	M/C #3 Penstock	5.5	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	7.5			

Mill Creek Deliveries

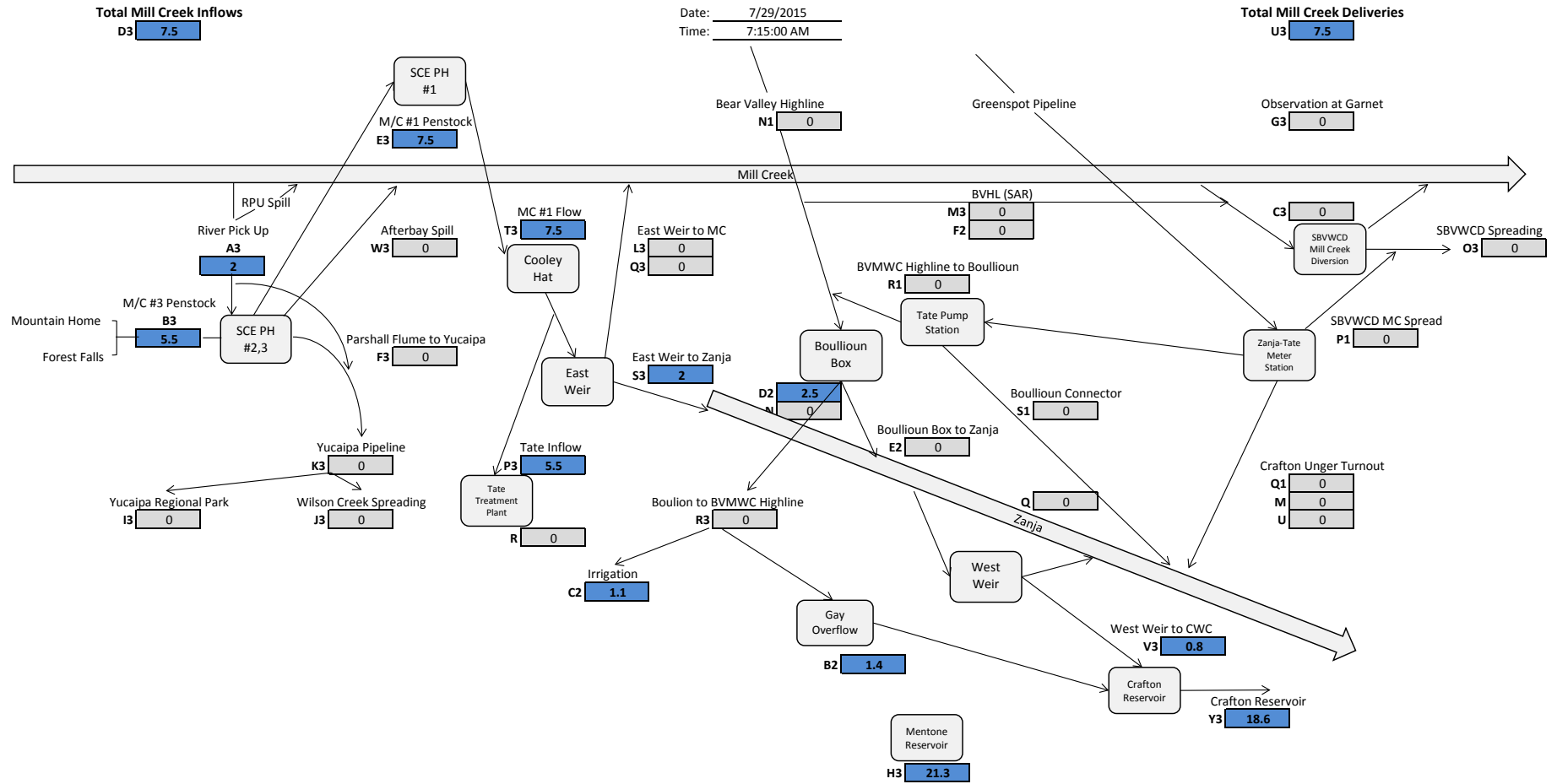
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.5	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	21.3
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.5	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	2.0	u3	Total MC Deliveries	7.5	v3	Zanja West Weir to CWC Canal	0.8
			t3	MC #1 Flow (Cooley Hat)	7.5				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	18.6

SBVWCD Recharge

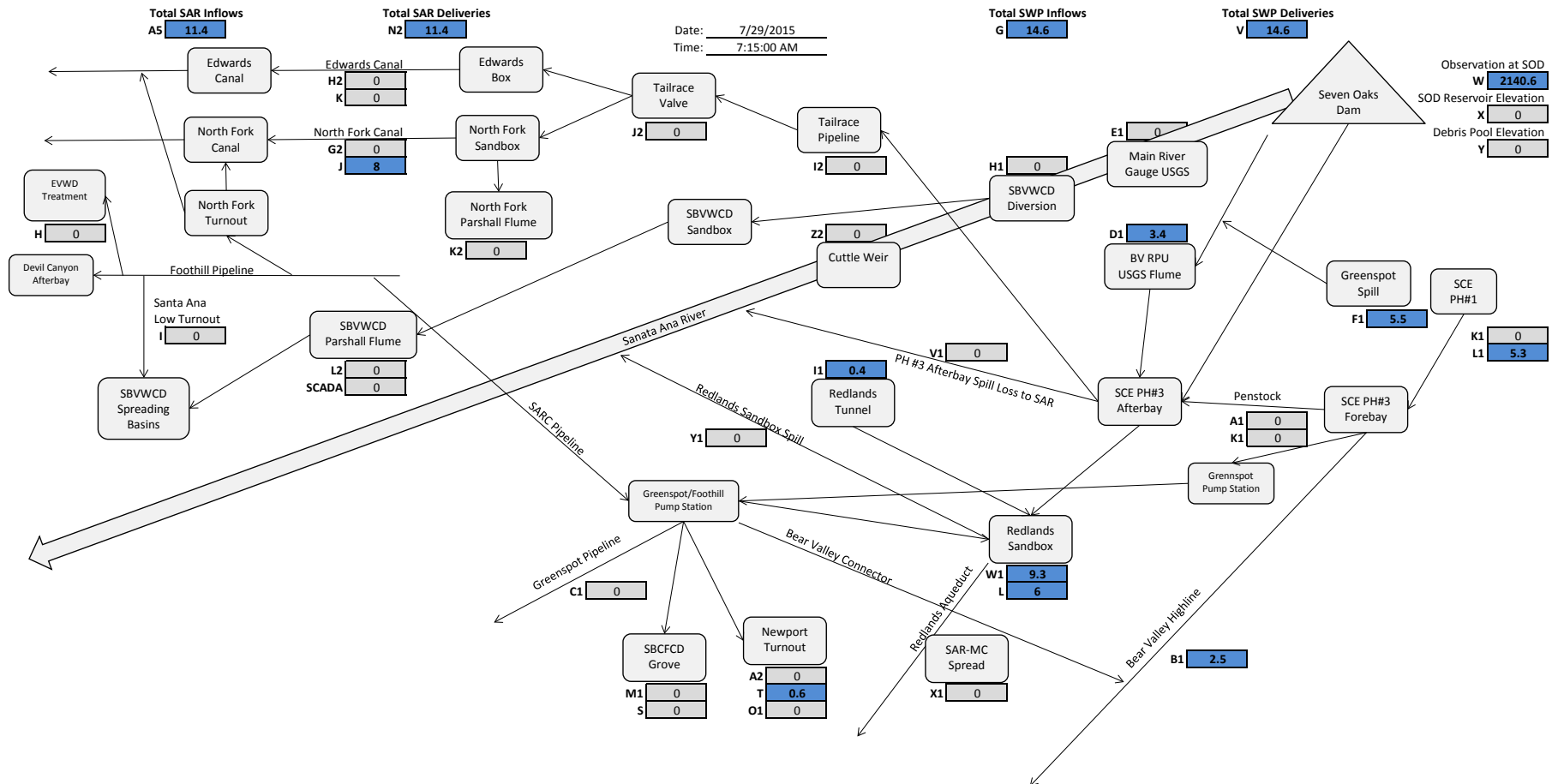
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/30/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.6
N2	Total SAR Deliveries	12.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.1
V	Total SWP Deliveries	15.1
J	Northfork Canal	7.9
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.2

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	13.1
U3	Total MC Deliveries	13.1
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	13.1

Reservoir Levels	Feet
Observation at SOD	2140.6
Crafton Reservoir Level (21.3)	16.5
Mentone Reservoir Level	20.6

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/30/2015
Time: 7:15:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	7.9
D	Purchased Water	15.1	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	15.1	N	BVMWC Boullioun Box	0.0
			P	SARC West	0.0
			Q	Zanja	0.0
			R	Tate Treatment Plant	0.0
			S	SBCFCD Grove	0.0
			T	Newport for BVMWC	1.2
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	15.1

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	8.1
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	3.8
D1	BVMWC River PU (USGS)	3.9
I1	Redlands Tunnel	0.4
A1	SAR PH #3 Penstock (calc)	0.0
K1	PH3# Penstock (SCADA)	0.0

BVMWC Highline		
A2	Newport	0.0
D2	Boullioun Box Weir	4.9
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	4.9
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	9.5
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	3.9
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	3.9
Seven Oaks Dam		
w	Observation at SOD	2140.6
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	4.9
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	3.9
F1	Greenspot Spill	3.8
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	12.6

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	4.9
		minus
B2	Gay Overflow	2.4
C2	Irrigation	2.5

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.1
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.9
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	12.6

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	7.7
B3	M/C #3 Penstock	5.4
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	13.1

Other		
E3	M/C #1 Penstock Flow	13.1
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	10.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	13.1	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	3.1	U3	Total MC Deliveries	13.1	V3	Zanja West Weir to CWC Canal	1.8
			T3	MC #1 Flow (Cooley Hat)	13.1				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	16.5

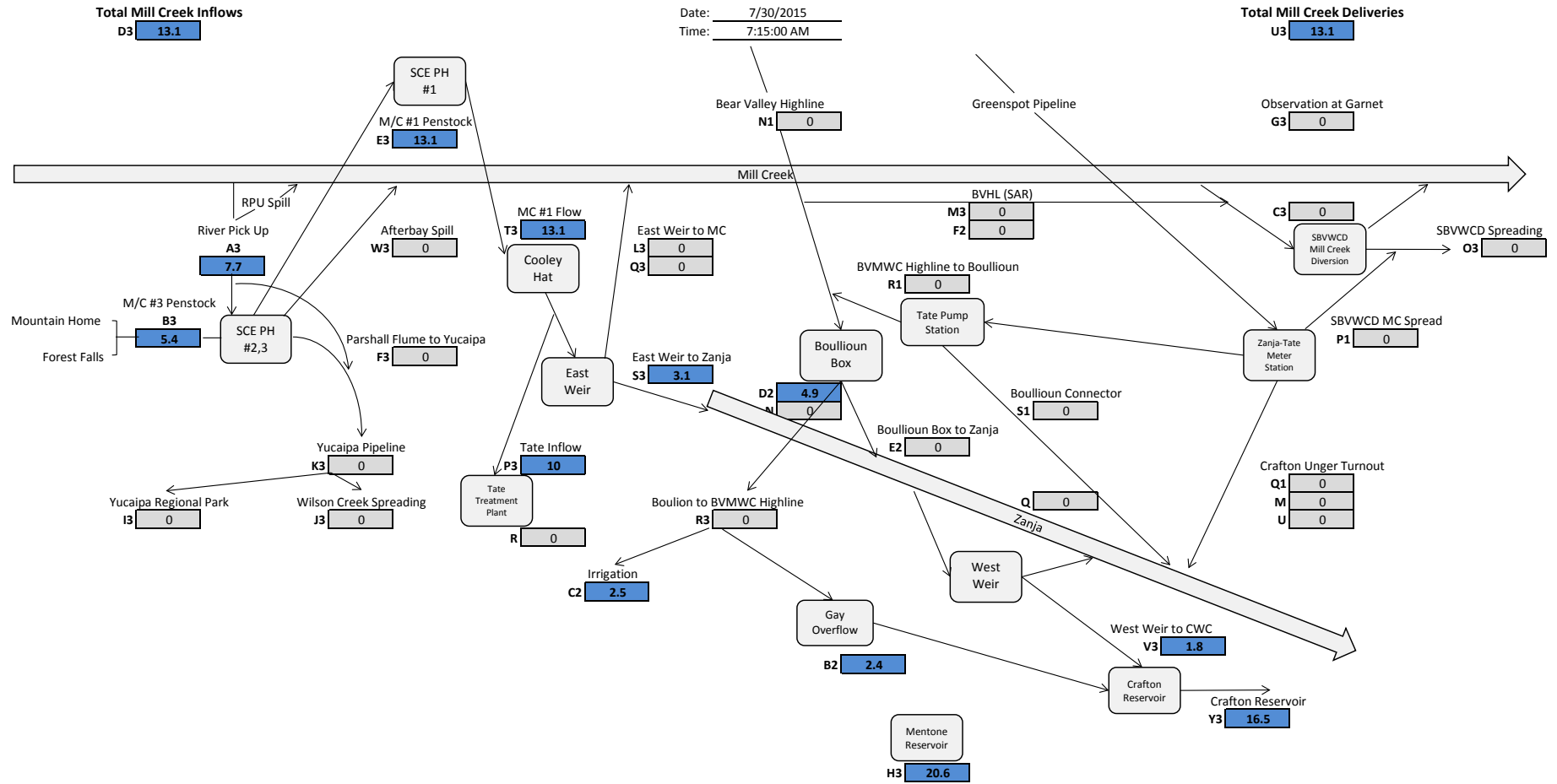
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

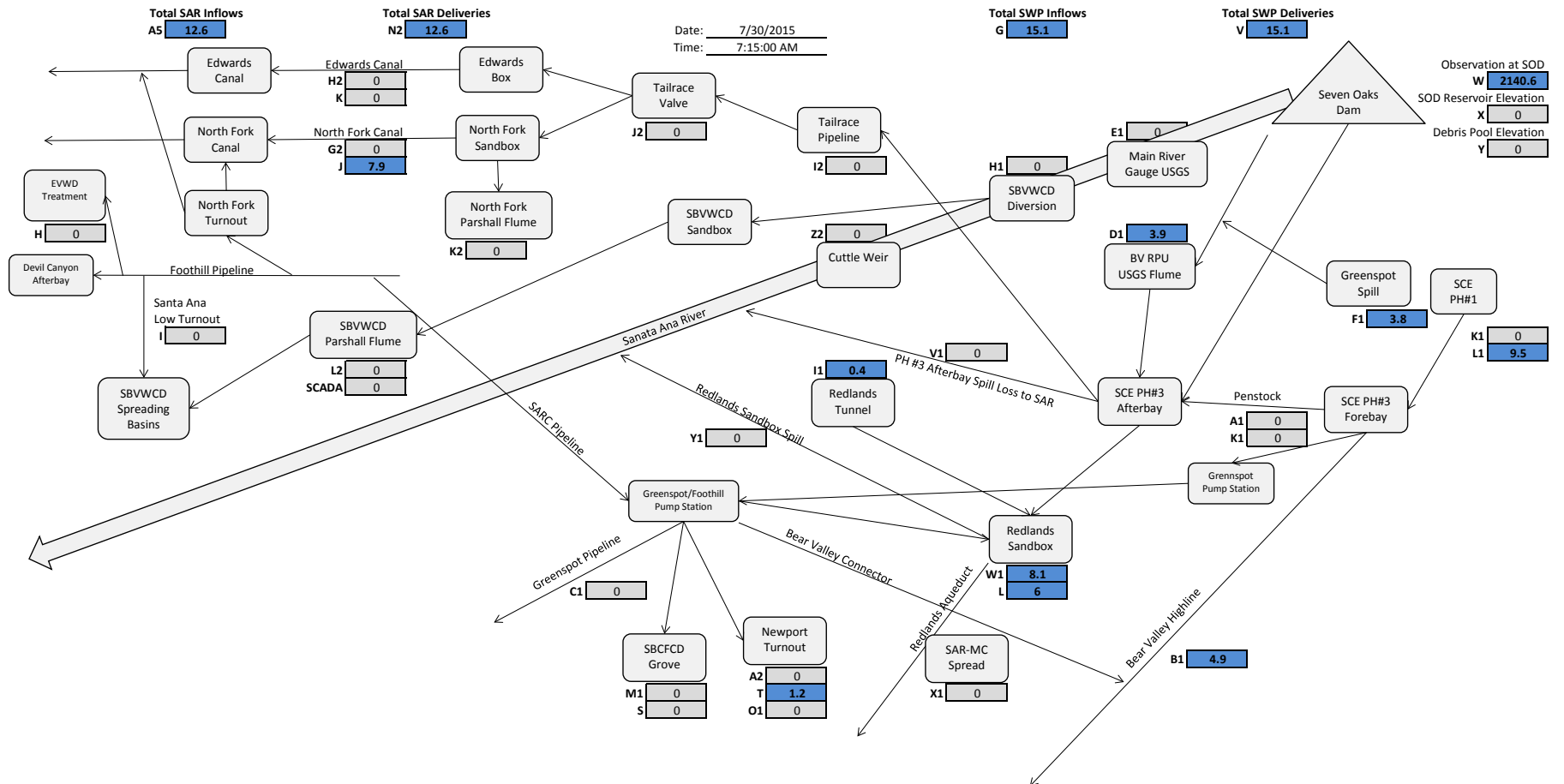
Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project

Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 7/31/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	13.8
N2	Total SAR Deliveries	13.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	15.1
V	Total SWP Deliveries	15.1
J	Northfork Canal	8.0
L	Redlands Aqueduct	5.9
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.2

Location	Type
Santa Ana River	SAR
Santa Ana River to Mill Creek	SAR-MC
Santa Ana River	SWP
Mill Creek	MC
Mill Creek	SWP
SBVMWD	SWP
WMWD	SWP

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.9
U3	Total MC Deliveries	7.9
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.9

Reservoir Levels	Feet
Observation at SOD	2140.6
Crafton Reservoir Level (21.3)	17.8
Mentone Reservoir Level	20.2

River Recharge	AF
Estimate SAR Recharge	0.0
Estimate Mill Creek Recharge	0.0
Total River Recharge	0.0

WY to Date (AF)	Target
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 7/31/2015

Time: 7:15:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	15.1	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	5.9	T	Newport for BVMWC	1.2
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.1	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	15.1

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows		
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)	4.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	5.4	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.4
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam					
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline							
W1	Redlands Aqueduct / Sandbox	8.8	Other			W	Observation at SOD	2140.6	F1	Greenspot Spill	3.8
Y1	Redlands Sandbox Spill	0.0				J1	Big Bear Lake Release	1.5	X	SOD Reservoir Elevation	0.0
minus			L1	SCE SAR AVM (SCADA)	10.1	Y	Debris Pool Elevation	0.0	D1a	BV Pick-Up gated	☐
F1	Greenspot Spill	3.8	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Total SAR Inflows					
D1	BVMWC River PU (USGS)	4.6									
I1	Redlands Tunnel	0.4									
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to Boullioun	0.0
S1	Crafton WC Boullioun	0.0
T1	Tate Pump Station to Zanja	0.0
C1	Greenspot Pipeline	0.0

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	0.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	0.0
	Parshall Flume (SCADA)	0.0

Irrigation		
D2	Boullioun Box Weir	5.4
	minus	
B2	Gay Overflow	2.6
C2	Irrigation	2.8

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.0
	minus	
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.4
N2	Total SAR Deliveries	13.8

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	2.2	E3	M/C #1 Penstock Flow	7.9
B3	M/C #3 Penstock	5.7	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	7.9			

Mill Creek Deliveries

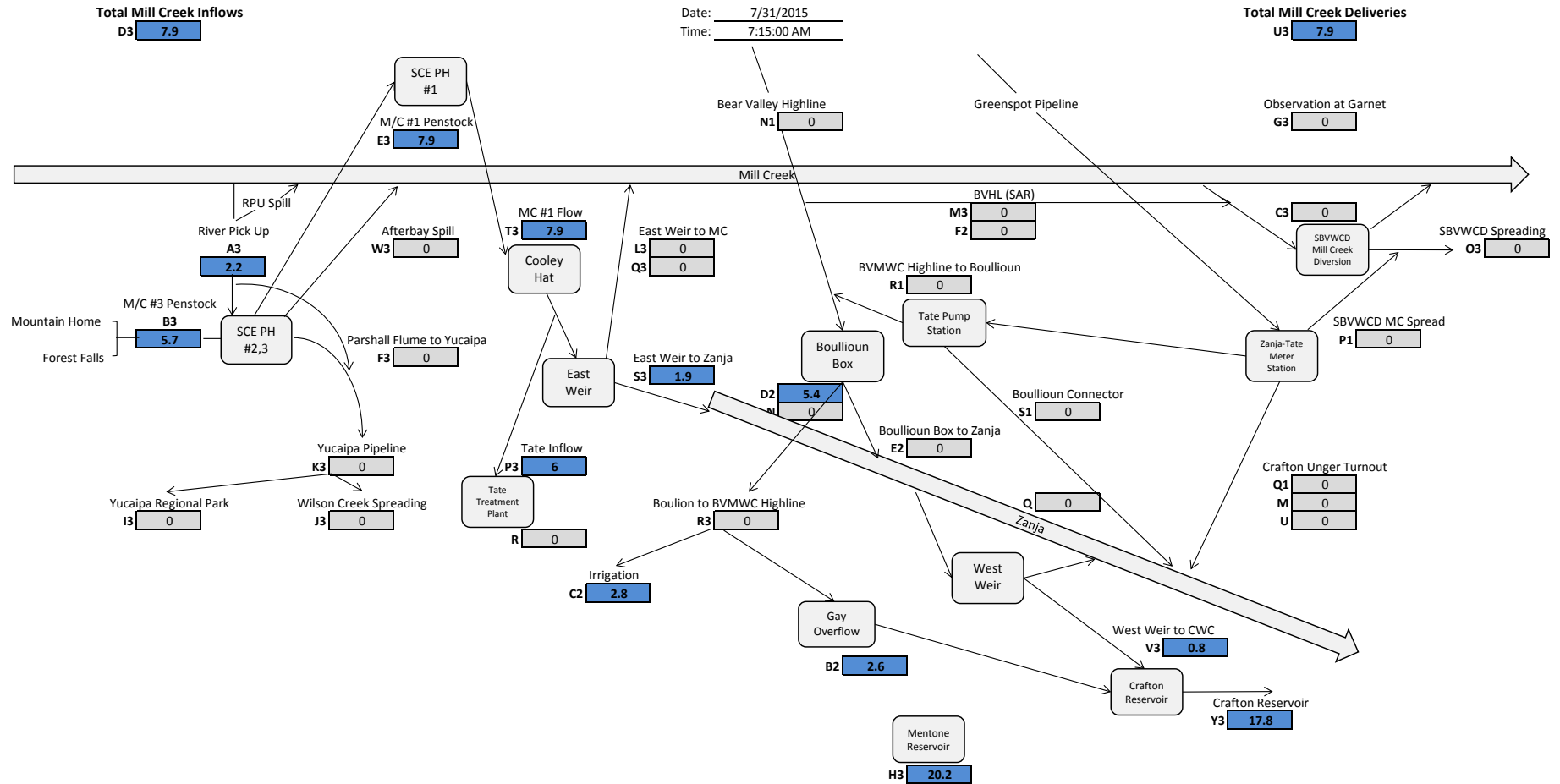
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	6.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.2
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.9	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.9	u3	Total MC Deliveries	7.9	v3	Zanja West Weir to CWC Canal	0.8
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	7.9				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
								y3	Crafton Reservoir Level (21.3)	17.8	

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cattle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana River - Mill Creek Cooperative Water Project
Santa Ana Stations

