

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/3/2015
Time: 7:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	11.5
N2	Total SAR Deliveries	11.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.5
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	14.9
V	Total SWP Deliveries	14.9
J	Northfork Canal	7.9
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	7.5
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	2141.2
Crafton Reservoir Level (21.3)	18
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
2,720	123,000
134	0
81	0
981	73,800
0	714
0	0
0	0

Comments:

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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	14.9	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	14.9	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	1.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	14.9

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	6.4
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	2.8
D1	BVMWC River PU (USGS)	3.2
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	5.5
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	5.5
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	7.8
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	3.2
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	3.2
Seven Oaks Dam		
w	Observation at SOD	2141.2
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	5.5
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	3.2
F1	Greenspot Spill	2.8
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	11.5

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	5.5
minus		
B2	Gay Overflow	3.0
C2	Irrigation	2.5

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.5
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	11.5

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	5.3	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)	7.5	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.2	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)	18.0

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

Daily Flow Report Summary

Date: 8/4/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.4
N2	Total SAR Deliveries	12.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	5.3
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
W1	Redlands Aqueduct/Sandbox	6.6

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.2
U3	Total MC Deliveries	7.2
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.2

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	18.7
Mentone Reservoir Level	20.2

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	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.2

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

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: 8/4/2015
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	15.2	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	1.2
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	15.2	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)	4.7	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	5.3	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	5.3
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal 4.7		C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0				D1	BVMWC River PU (USGS)	4.7
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 5.3					F1	Greenspot Spill	2.4
W1	Redlands Aqueduct / Sandbox	6.6							E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0							D1a	BV Pick-Up gated	☐
minus									A5	Total SAR Inflows 12.4	
F1	Greenspot Spill	2.4	Other			w	Observation at SOD	2141.2			
D1	BVMWC River PU (USGS)	4.7	J1	Big Bear Lake Release	1.5	x	SOD Reservoir Elevation	0.0			
I1	Redlands Tunnel	0.4	L1	SCE SAR AVM (SCADA)	7.8	y	Debris Pool Elevation	0.0			
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 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	0.9
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	Boulliouin Box Weir	5.3
	minus	
B2	Gay Overflow	2.3
C2	Irrigation	3.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.6
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	5.3
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	0.4
N2	Total SAR Deliveries	12.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.8	E3	M/C #1 Penstock Flow	7.2
B3	M/C #3 Penstock	5.4	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	7.2			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.3	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	1.9	T3	Mill Creek #1 Flow (Cooley Hat)	7.2	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	7.2	V3	Zanja West Weir to CWC Canal	1.1
			T3	MC #1 Flow (Cooley Hat)	7.2				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	18.7
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

Daily Flow Report Summary

Date: 8/5/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	11.9
N2	Total SAR Deliveries	11.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	7.2

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.1
U3	Total MC Deliveries	7.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.1

Reservoir Levels	Feet
Observation at SOD	2141
Crafton Reservoir Level (21.3)	19
Mentone Reservoir Level	20.8

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	6.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.1

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

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

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Date: 8/5/2015
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	15.2	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0	
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.1	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	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)	3.5	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.2	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	4.2	
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	Seven Oaks Dam						
V1	PH#3 Afterbay Spill/Loss to SAR	0.0	B1	BVMWC Highline								4.2
W1	Redlands Aqueduct / Sandbox	7.2	Other			W	Observation at SOD	2141.0	F1	Greenspot Spill	4.2	
Y1	Redlands Sandbox Spill	0.0				J1	Big Bear Lake Release	1.5	X	SOD Reservoir Elevation	0.0	E1
minus			L1	SCE SAR AVM (SCADA)	7.9	Y	Debris Pool Elevation	0.0	D1a	BV Pick-Up gated	☐	
F1	Greenspot Spill	4.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Total SAR Inflows						11.9
D1	BVMWC River PU (USGS)	3.5										
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			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	0.9	K2	Northfork Parshall Flume	0.0	V1	Redlands Aqueduct / Sandbox	7.2
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	0.0	W1	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	0.9		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	4.2
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0							I2	Tailrace Pipeline	0.9
T1	Tate Pump Station to Zanja	0.0							L2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0									minus
											minus
									J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	11.9

Mill Creek Inflows					
Total MC Inflows			Other		
A3	RPU Flow	1.7	E3	M/C #1 Penstock Flow	7.1
B3	M/C #3 Penstock	5.4	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	7.1			

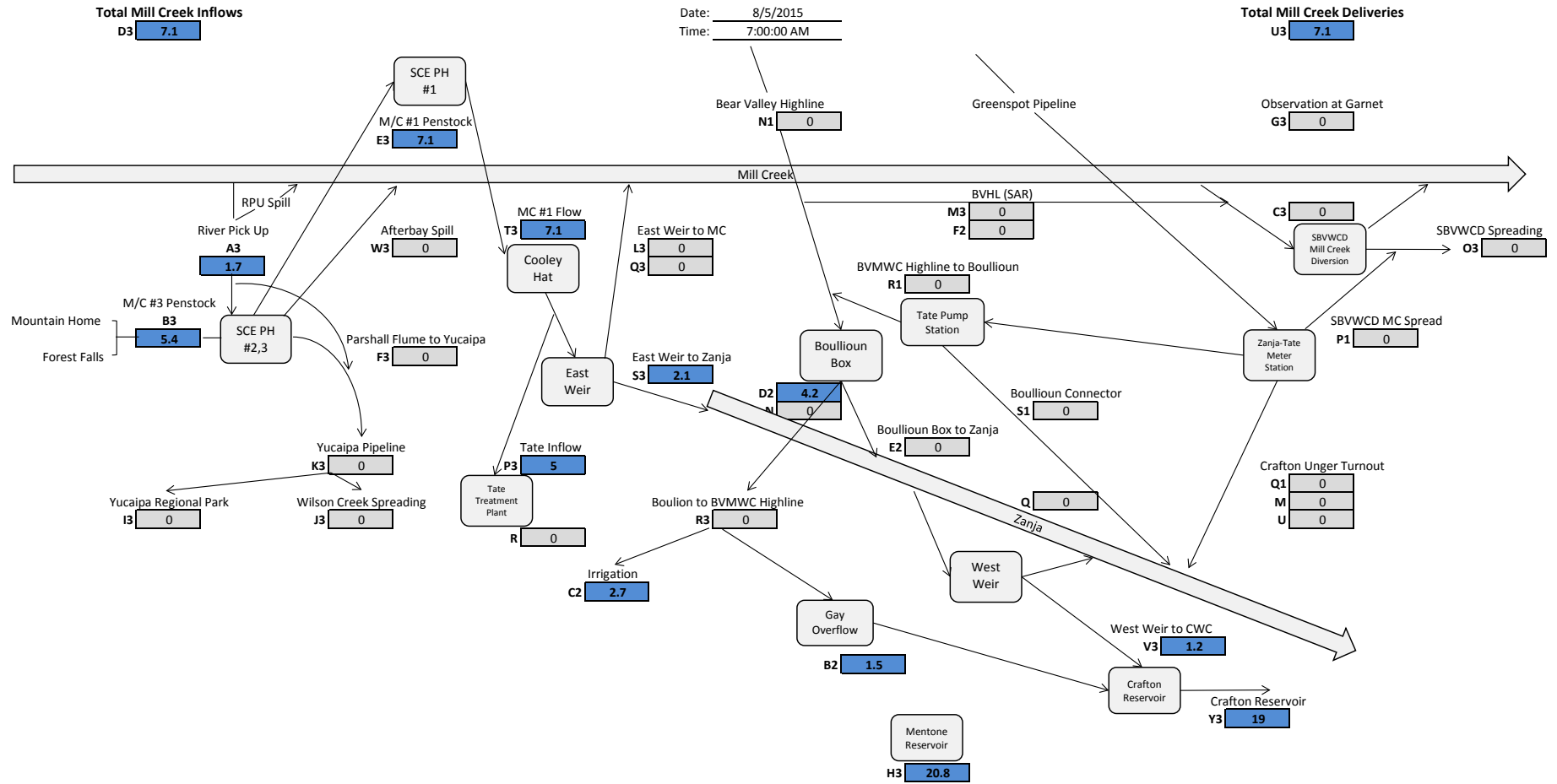
Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.8
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.1	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	2.1	u3	Total MC Deliveries	7.1	v3	Zanja West Weir to CWC Canal	1.2
			t3	MC #1 Flow (Cooley Hat)	7.1				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	19.0

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

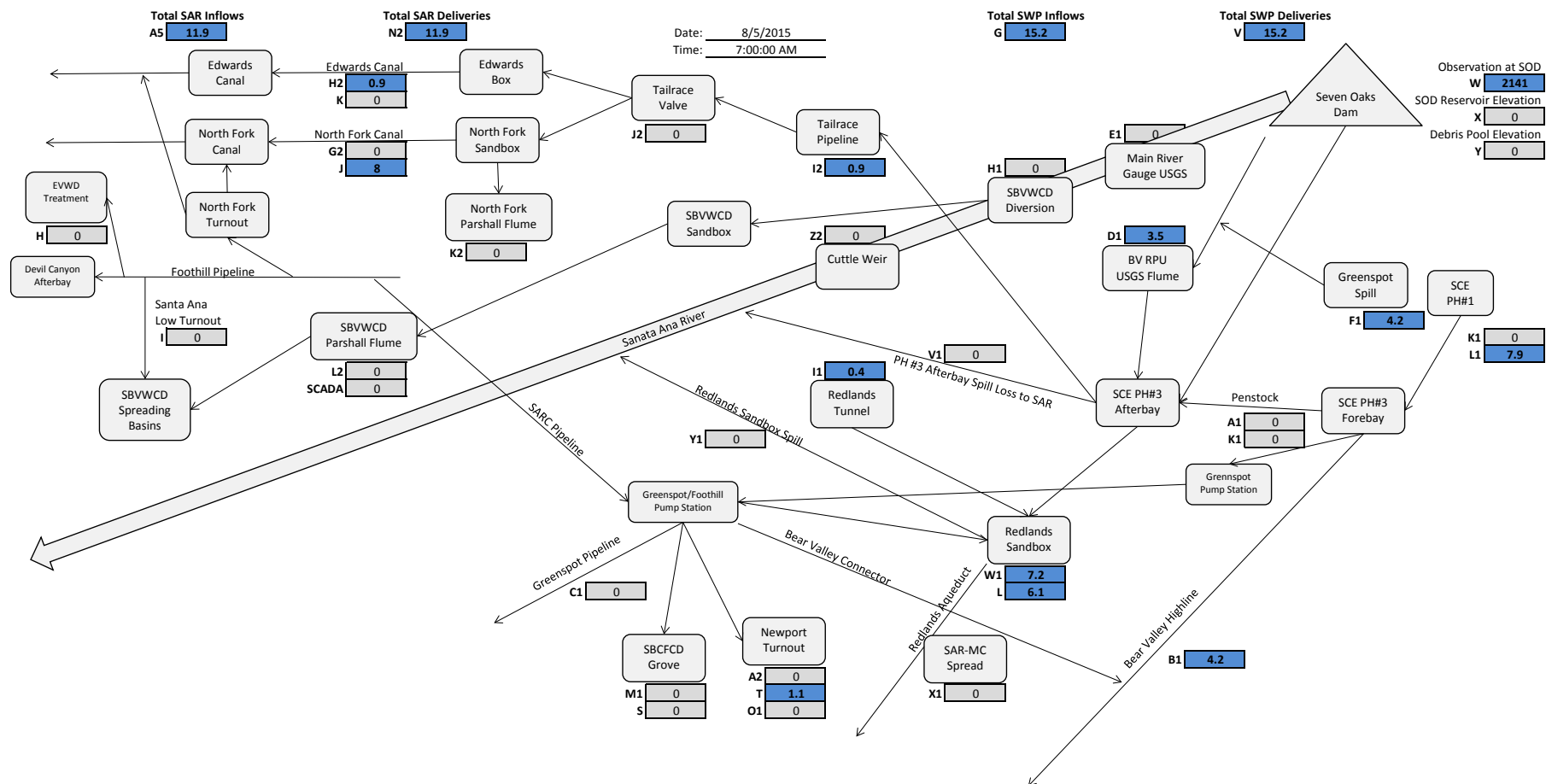
SBVWCD Recharge							
Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0	714
	SBVMWD	SWP					
	WMWD	SWP					
SAR Passing Cuttle Weir		0	Share of Lost Flow		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: 8/6/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.0
N2	Total SAR Deliveries	12.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	7.3

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

Reservoir Levels	Feet
Observation at SOD	2141
Crafton Reservoir Level (21.3)	17.5
Mentone Reservoir Level	21.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.1
V	Total SWP Deliveries	14.1
J	Northfork Canal	8.1
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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: 8/6/2015
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	8.1
D	Purchased Water	14.1	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	14.1	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	14.1

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	0.9	D2	Boullioun Box Weir	4.2	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.2	
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		4.6	C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	4.6	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.2		Seven Oaks Dam			F1	Greenspot Spill	3.2
W1	Redlands Aqueduct / Sandbox	7.3				w	Observation at SOD		2141.0	E1	Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.0				x	SOD Reservoir Elevation		0.0	D1a	BV Pick-Up gated	☐	
		minus				y	Debris Pool Elevation		0.0	A5	Total SAR Inflows		12.0
F1	Greenspot Spill	3.2	Other										
D1	BVMWC River PU (USGS)	4.6	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	0.9
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	4.2
minus		
B2	Gay Overflow	1.2
C2	Irrigation	3.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.3
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.2
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	0.4
N2	Total SAR Deliveries	12.0

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.6
B3	M/C #3 Penstock	5.3
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	21.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.9	R3	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	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)	17.5

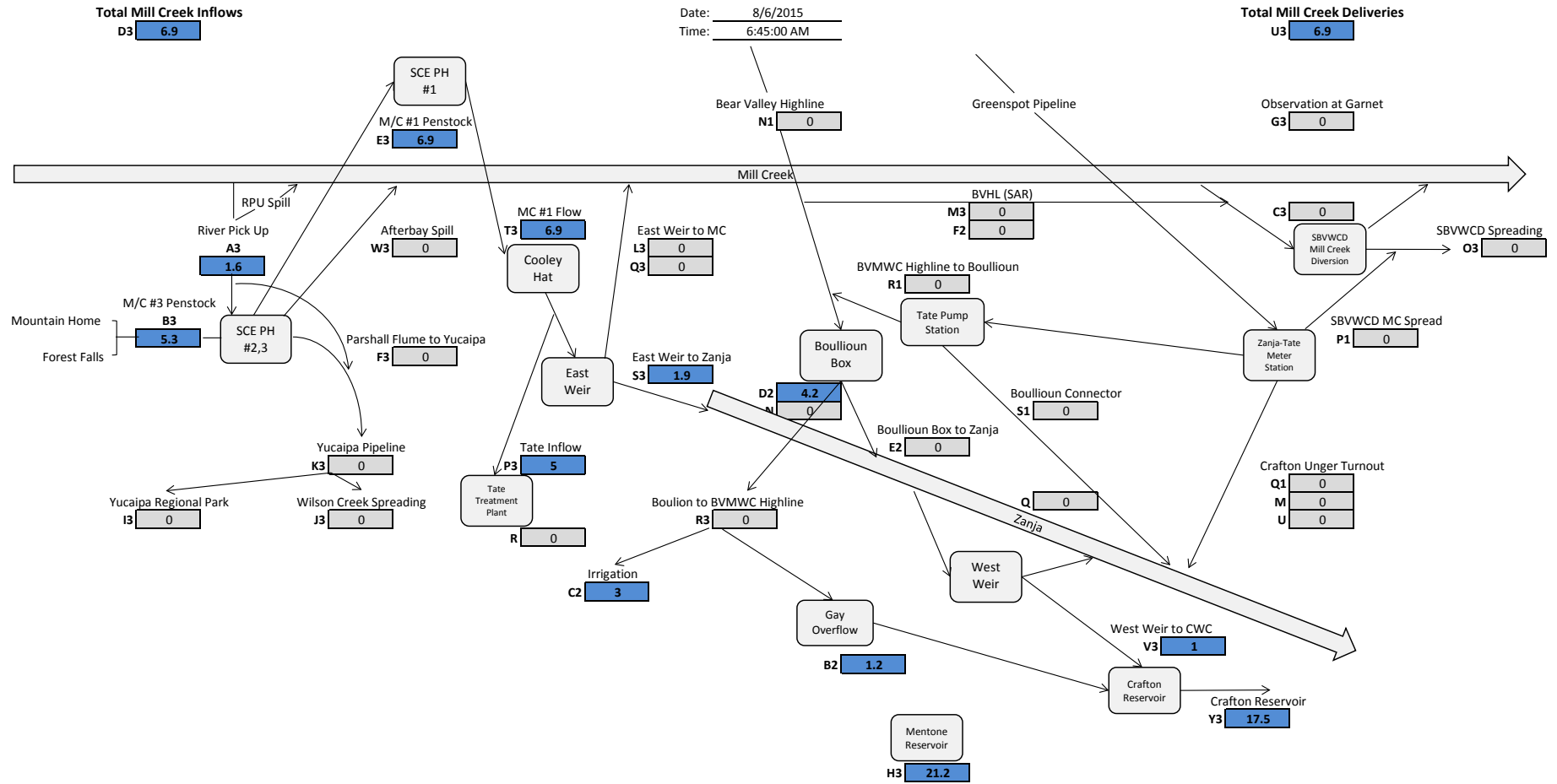
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

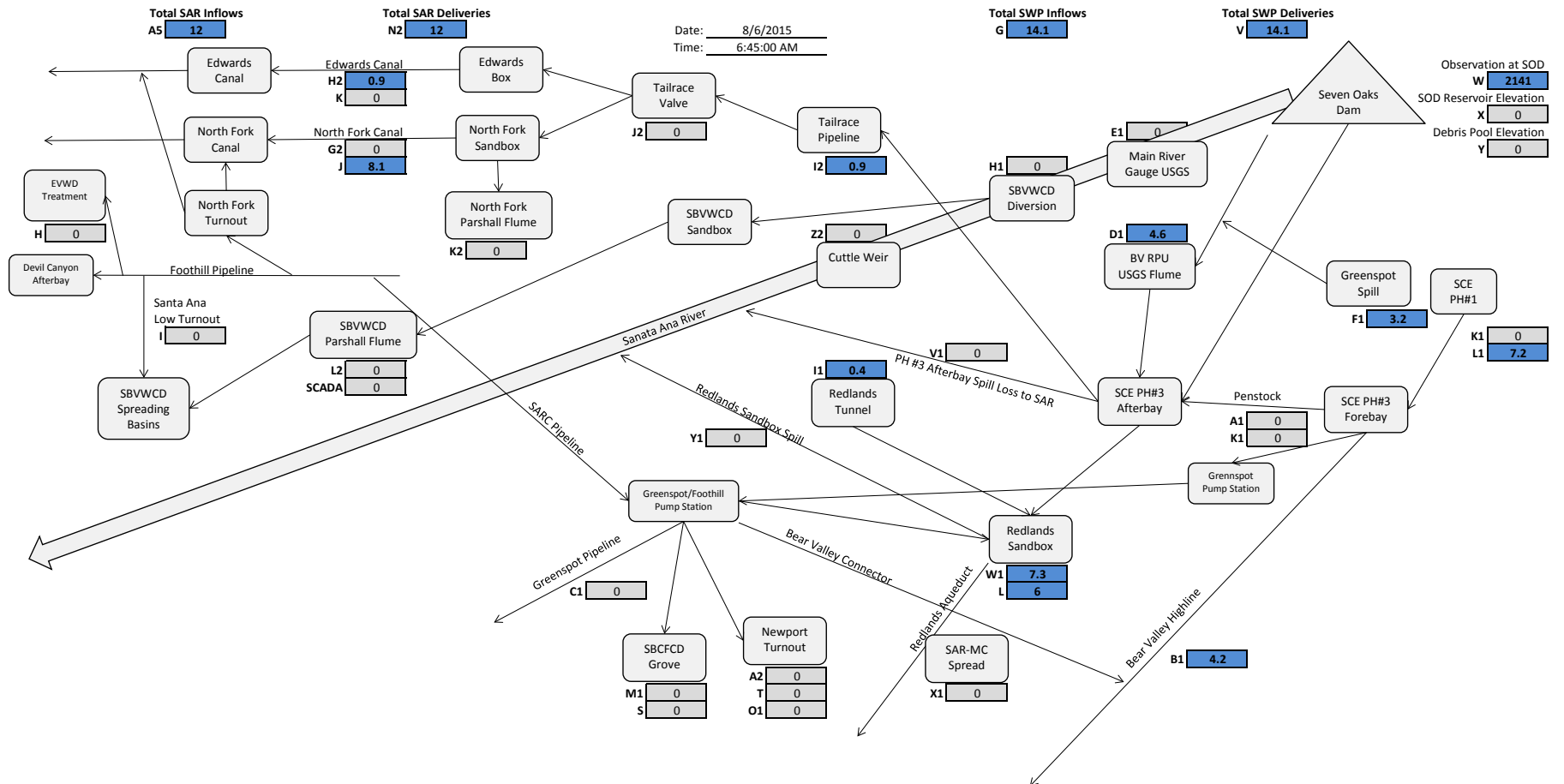
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/7/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	13.4
N2	Total SAR Deliveries	13.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.3
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
W1	Redlands Aqueduct/Sandbox	9.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.2
U3	Total MC Deliveries	7.2
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.2

Reservoir Levels	Feet
Observation at SOD	2140.8
Crafton Reservoir Level (21.3)	15.5
Mentone Reservoir Level	21.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	13.9
V	Total SWP Deliveries	13.9
J	Northfork Canal	7.9
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

Comments:

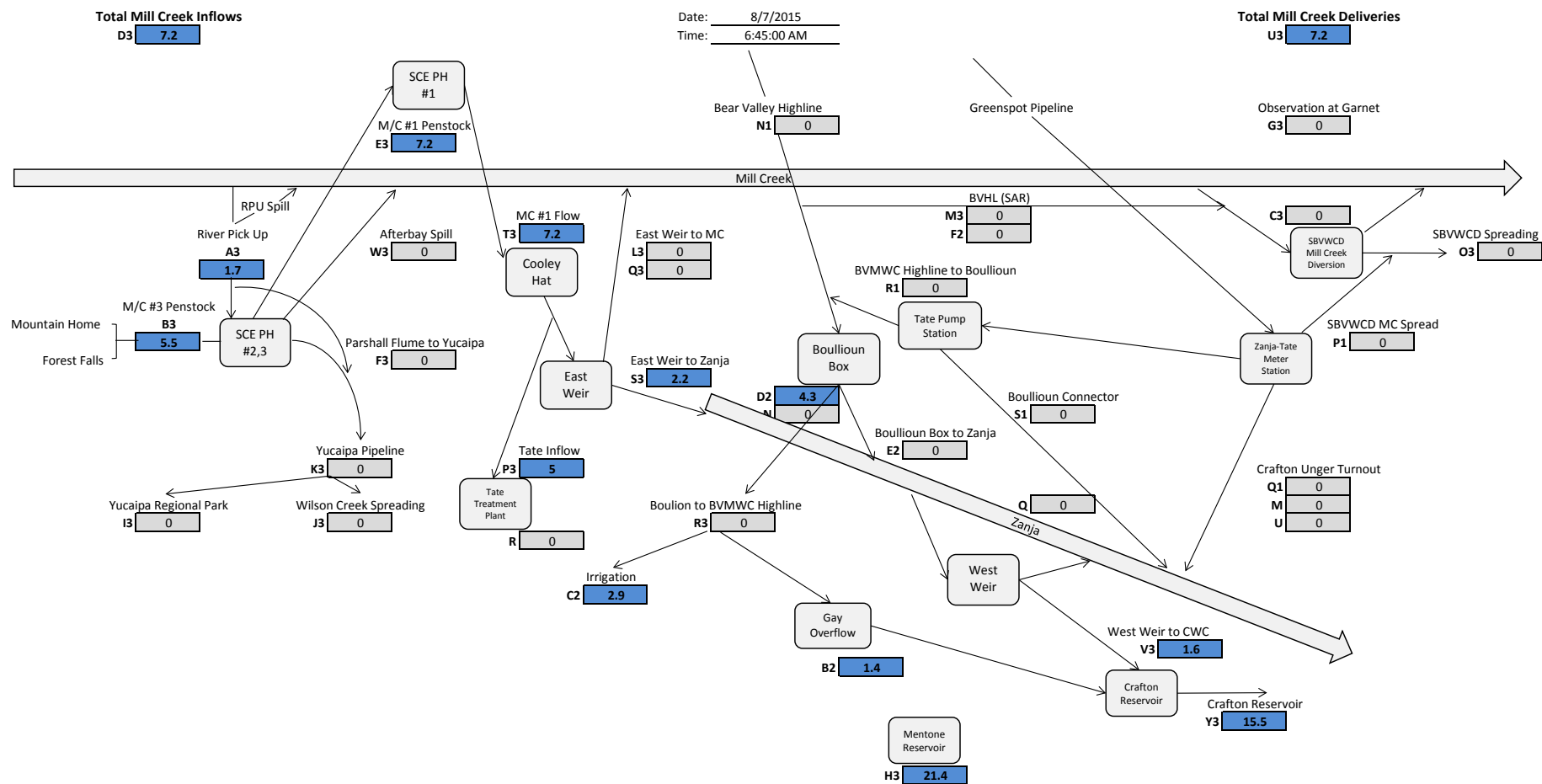
Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/7/2015
Time: 6:45:00 AM

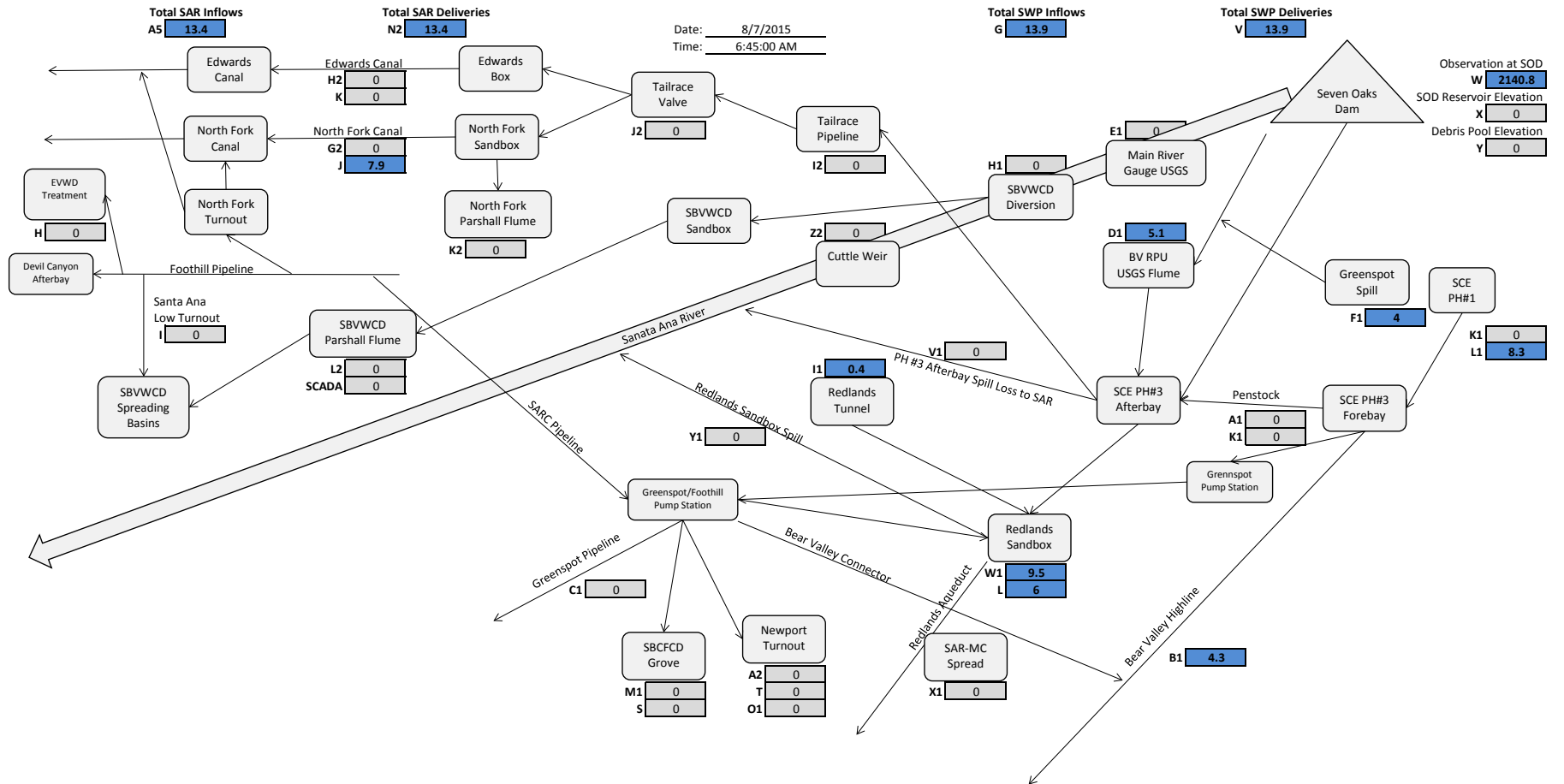
State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0			
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0			
C	Exchange Water	0.0	J	Northfork Canal	7.9	R	Tate Treatment Plant	0.0			
D	Purchased Water	13.9	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	0.0			
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0			
G	Total SWP Inflows	13.9	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	13.9			
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)	5.1	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	4.3	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	4.3
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal	5.1	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0				D1	BVMWC River PU (USGS)	5.1
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	4.3				F1	Greenspot Spill	4.0
W1	Redlands Aqueduct / Sandbox	9.5				Seven Oaks Dam			E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0							D1a	BV Pick-Up gated	☐
minus			Other						A5	Total SAR Inflows	13.4
F1	Greenspot Spill	4.0	J1	Big Bear Lake Release	1.5	W	Observation at SOD	2140.8			
D1	BVMWC River PU (USGS)	5.1	L1	SCE SAR AVM (SCADA)	8.3	X	SOD Reservoir Elevation	0.0			
I1	Redlands Tunnel	0.4	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	0.0			
A1	SAR PH #3 Penstock (calc)	0.0									
K1	PH3# Penstock (SCADA)	0.0									
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	9.5
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	4.3
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				Irrigation			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	0.4
									N2	Total SAR Deliveries	13.4
Mill Creek Inflows											
Total MC Inflows			Other								
A3	RPU Flow	1.7	E3	M/C #1 Penstock Flow	7.2						
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	7.2									
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	21.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.2	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	2.2	U3	Total MC Deliveries	7.2	V3	Zanja West Weir to CWC Canal	1.6
			T3	MC #1 Flow (Cooley Hat)	7.2				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
									Y3	Crafton Reservoir Level (21.3)	15.5
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: 8/10/2015
Time: 7:05:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.2
N2	Total SAR Deliveries	12.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.2
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.2
W1	Redlands Aqueduct/Sandbox	6.7

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	2141
Crafton Reservoir Level (21.3)	15.2
Mentone Reservoir Level	21.1

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

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

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: 8/10/2015
Time: 7:05:00 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	14.6	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	14.6	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	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	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	1.2	D2	Boulliou Box Weir	4.6	B1	BVMWC Highline
J2	Tailrace Valve	0.0	E2	Boulliou Box to Zanja	0.0	C1	Greenspot Pipeline
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	D1	BVMWC River PU (USGS)
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	4.6	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	6.7				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.0				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	3.0					
D1	BVMWC River PU (USGS)	4.6					
I1	Redlands Tunnel	0.3					
A1	SAR PH #3 Penstock (calc)	0.0					
K1	PH3# Penstock (SCADA)	0.0					

Santa Ana River Deliveries

Greenspot Pipeline		Tailrace Pipeline		SBVWCD Parshall FlumeTo Basins		Deliveries	
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	V1	SAR PH #3 Afterbay Spill
N1	BVMWC Highline	0.0	H2	Edwards Canal	1.2	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	Y1	Redlands Sandbox Spill
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	Z2	Cuttle Weir To River
Q1	Crafton WC Unger Lane	0.0	H1	SBVWCD Diversion	0.0	B1	BVMWC Highline
R1	BVMWC Highline to Boulliou	0.0	L2	SBVWCD Parshall Flume	0.0	C1	Greenspot Pipeline
S1	Crafton WC Boulliou	0.0		Parshall Flume (SCADA)	0.0	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.8
B3	M/C #3 Penstock	5.3
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	5.2	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boulliou to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.9	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	6.1	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

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

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6
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
D4	Mill Creek	SWP	H4	0.0	L4	0
	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: 8/11/2015
Time: 7:20:00 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	4.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.0
W1	Redlands Aqueduct/Sandbox	6.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.1
U3	Total MC Deliveries	7.1
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.1

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	15.7
Mentone Reservoir Level	20.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.5
V	Total SWP Deliveries	14.5
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.1
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.4

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

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

Comments: All readings are taken very early in the morning. Soon after the readings are taken, changes are made that a

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/11/2015

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	14.5	K	Edwards Canal	0.0	S	SBCFCD Grove	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.1	T	Newport for BVMWC	0.4
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	14.5	N	BVMWC Bouliouin Box	0.0	V	Total SWP Deliveries	14.5

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)		4.6	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	4.2	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.2
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		4.6	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	4.6
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.2				F1	Greenspot Spill	2.6
W1	Redlands Aqueduct / Sandbox	6.5								E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0								D1a	BV Pick-Up gated	□
minus										A5	Total SAR Inflows	11.4
F1	Greenspot Spill	2.6	Other			w	Observation at SOD		2141.2			
D1	BVMWC River PU (USGS)	4.6	J1	Big Bear Lake Release	1.5	x	SOD Reservoir Elevation		0.0			
I1	Redlands Tunnel	0.3	L1	SCE SAR AVM (SCADA)	7.0	y	Debris Pool Elevation		0.0			
A1	SAR PH #3 Penstock (calc)		X1	SAR-MC Spread (Red. Aqueduct)	0.0							
K1	PH3# Penstock (SCADA)											

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	1.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.0

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	4.2
		minus
B2	Gay Overflow	3.2
C2	Irrigation	1.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.5
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.2
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
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	11.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.8	E3	M/C #1 Penstock Flow	7.1
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	7.1			

Mill Creek Deliveries

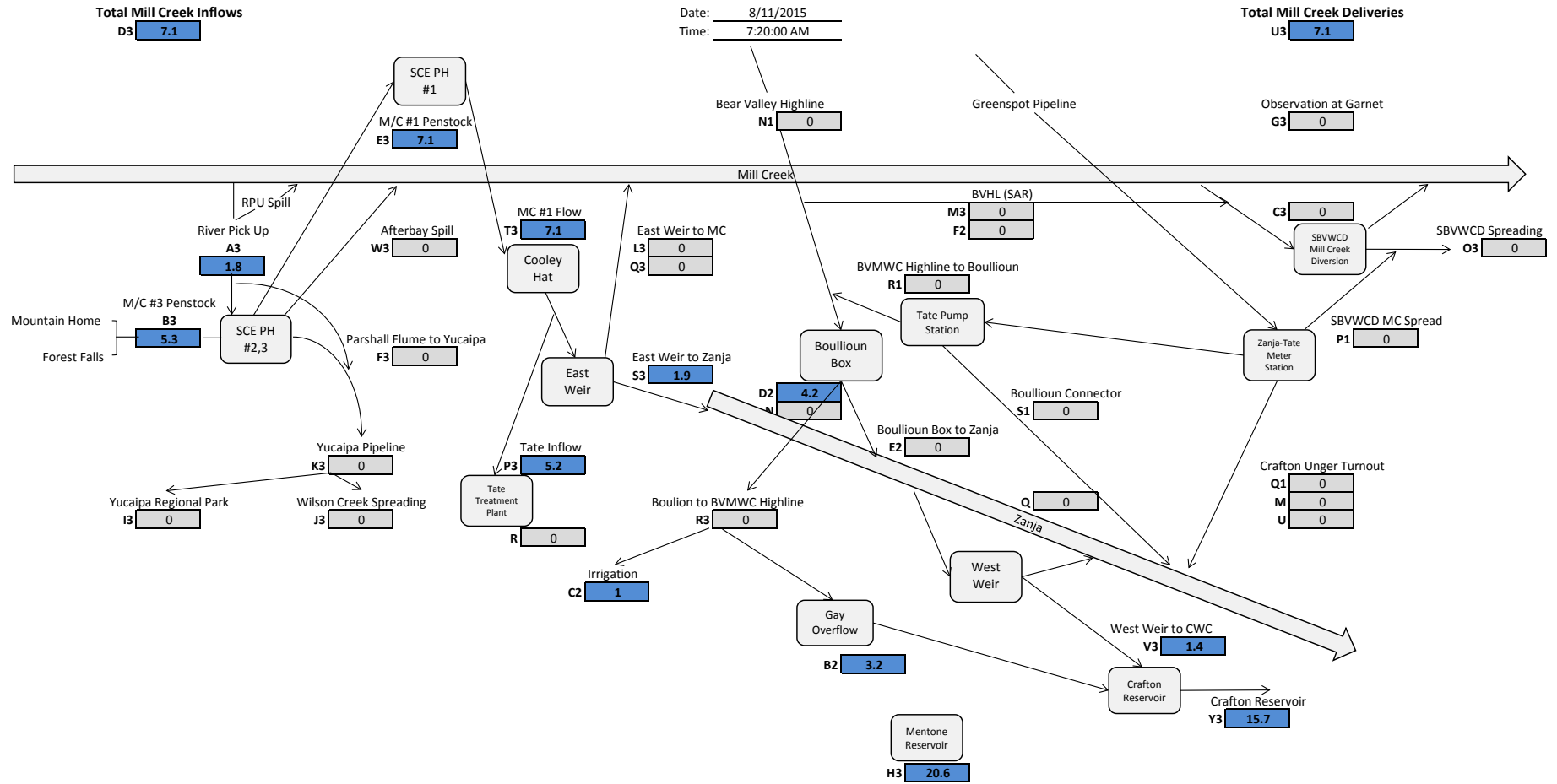
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.2	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.6
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.1	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.9	u3	Total MC Deliveries	7.1	v3	Zanja West Weir to CWC Canal	1.4
			t3	MC #1 Flow (Cooley Hat)	7.1				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	15.7

SBVWCD Recharge

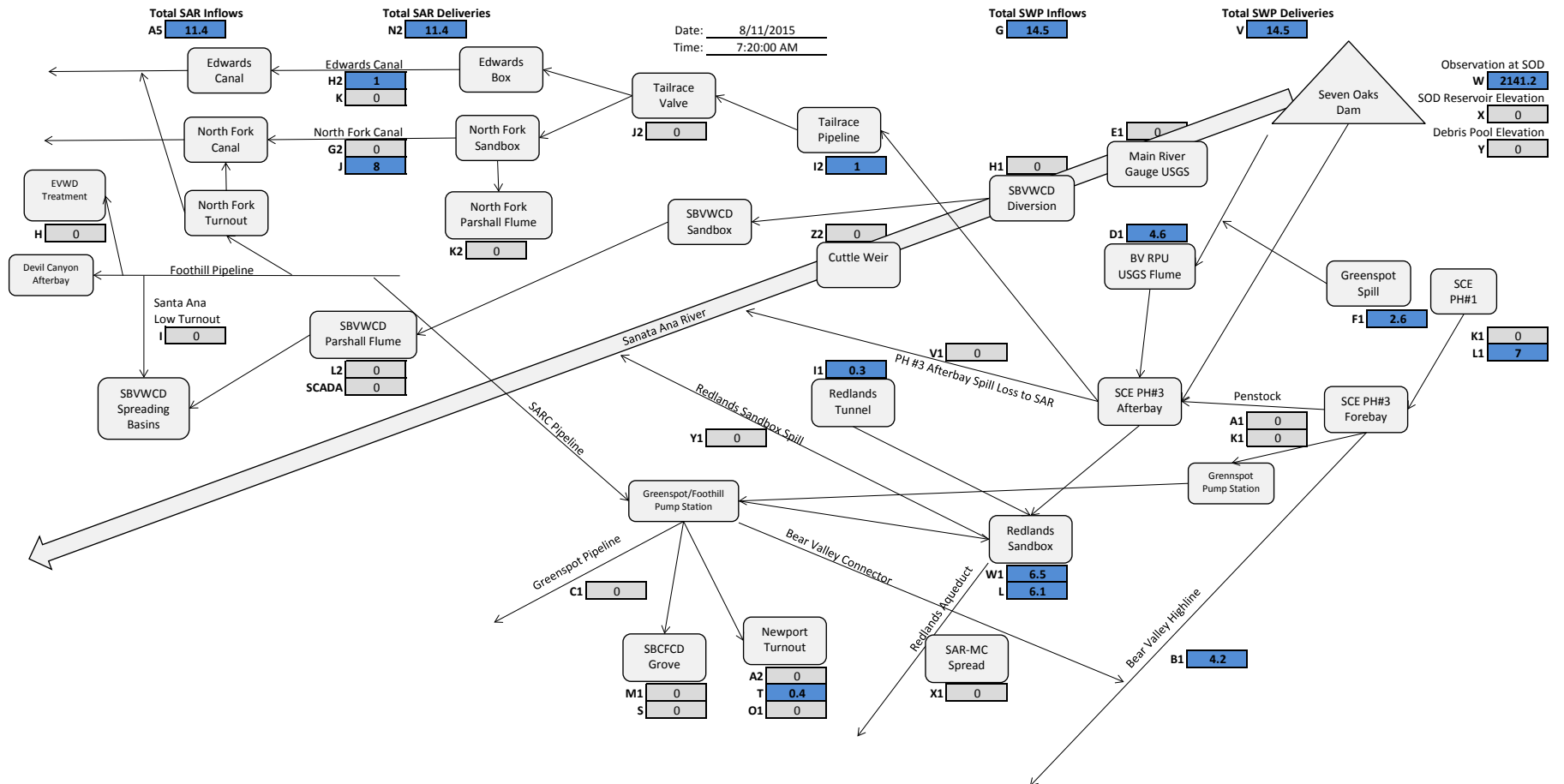
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/12/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	12.5
N2	Total SAR Deliveries	12.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.5
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
W1	Redlands Aqueduct/Sandbox	7.5

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	2141.2
Crafton Reservoir Level (21.3)	15.7
Mentone Reservoir Level	20.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.8
V	Total SWP Deliveries	14.8
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.8

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

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

Comments: All readings are taken very early in the morning. Soon after the readings are taken, changes are made that are not reflected until the next morning. Some flows, such as Edwards, are on for a scheduled amount of days, and might be turned off soon after the Daily Flow Report is posted.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/12/2015
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	8.0
D	Purchased Water	14.8	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	14.8	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	0.8
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	14.8

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)		6.0	A1	SAR PH #3 Penstock (calc)	0.0				
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.5	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.5				
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1			SOD Release Subtotal	6.0	C1	Greenspot Pipeline	0.0			
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0								D1	BVMWC River PU (USGS)	6.0	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.5							F1	Greenspot Spill	2.0	
W1	Redlands Aqueduct / Sandbox	7.5							Seven Oaks Dam			E1	Main River Gage (USGS)	0.0		
Y1	Redlands Sandbox Spill	0.0							w	Observation at SOD		2141.2	D1a	BV Pick-Up gated	☐	
minus									x	SOD Reservoir Elevation		0.0	A5	Total SAR Inflows		12.5
F1	Greenspot Spill	2.0	Other						y	Debris Pool Elevation		0.0				
D1	BVMWC River PU (USGS)	6.0	J1	Big Bear Lake Release		1.5										
I1	Redlands Tunnel	0.4	L1	SCE SAR AVM (SCADA)		6.7										
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	0.9
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	4.5
minus		
B2	Gay Overflow	3.0
C2	Irrigation	1.5

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.5
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.5
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	0.4
N2	Total SAR Deliveries	12.5

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.7	E3	M/C #1 Penstock Flow	6.9
B3	M/C #3 Penstock	5.2	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		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	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)	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	1.4
			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)	15.7

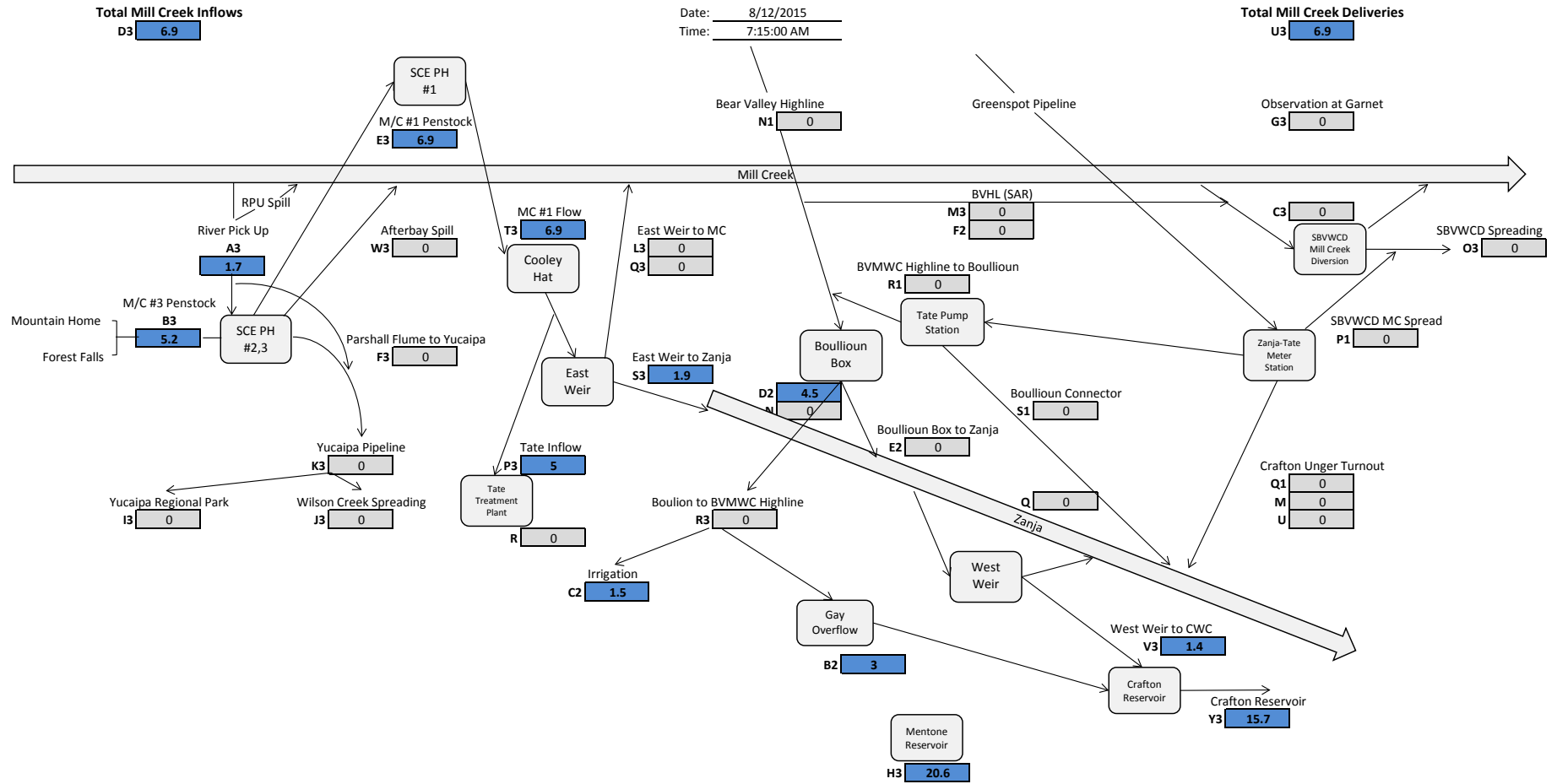
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

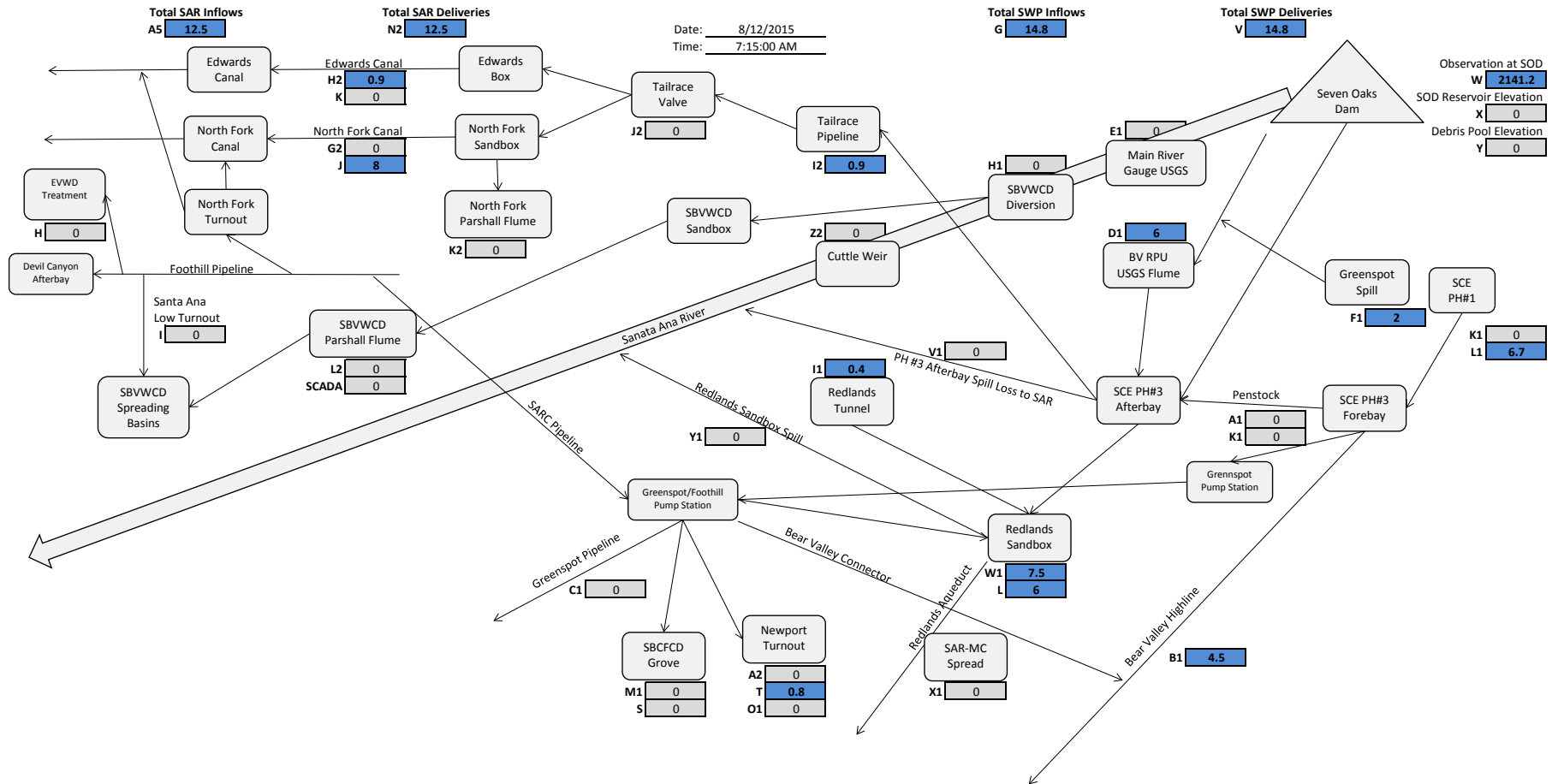
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/13/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	10.4
N2	Total SAR Deliveries	10.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	4.5
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	5.4

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

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	17
Mentone Reservoir Level	19.8

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.1
V	Total SWP Deliveries	14.1
J	Northfork Canal	8.1
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/13/2015

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	8.1	R	Tate Treatment Plant	0.0
D	Purchased Water	14.1	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	0.0
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	14.1	N	BVMWC Bouliouin Box	0.0	V	Total SWP Deliveries	14.1

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)		3.3	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.5	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.5
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.3	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	3.3
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.5				F1	Greenspot Spill	2.6
W1	Redlands Aqueduct / Sandbox	5.4					Seven Oaks Dam			E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0					w	Observation at SOD	2141.2	D1a	BV Pick-Up gated	☐
minus			Other			x	SOD Reservoir Elevation		0.0	A5	Total SAR Inflows	
F1	Greenspot Spill	2.6	J1	Big Bear Lake Release	1.5	y	Debris Pool Elevation		0.0	10.4		
D1	BVMWC River PU (USGS)	3.3	L1	SCE SAR AVM (SCADA)	6.8							
I1	Redlands Tunnel	0.4	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	0.9
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	4.5
		minus
B2	Gay Overflow	3.3
C2	Irrigation	1.2

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.4
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.5
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	0.4
N2	Total SAR Deliveries	10.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.6	E3	M/C #1 Penstock Flow	6.8
B3	M/C #3 Penstock	5.2	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

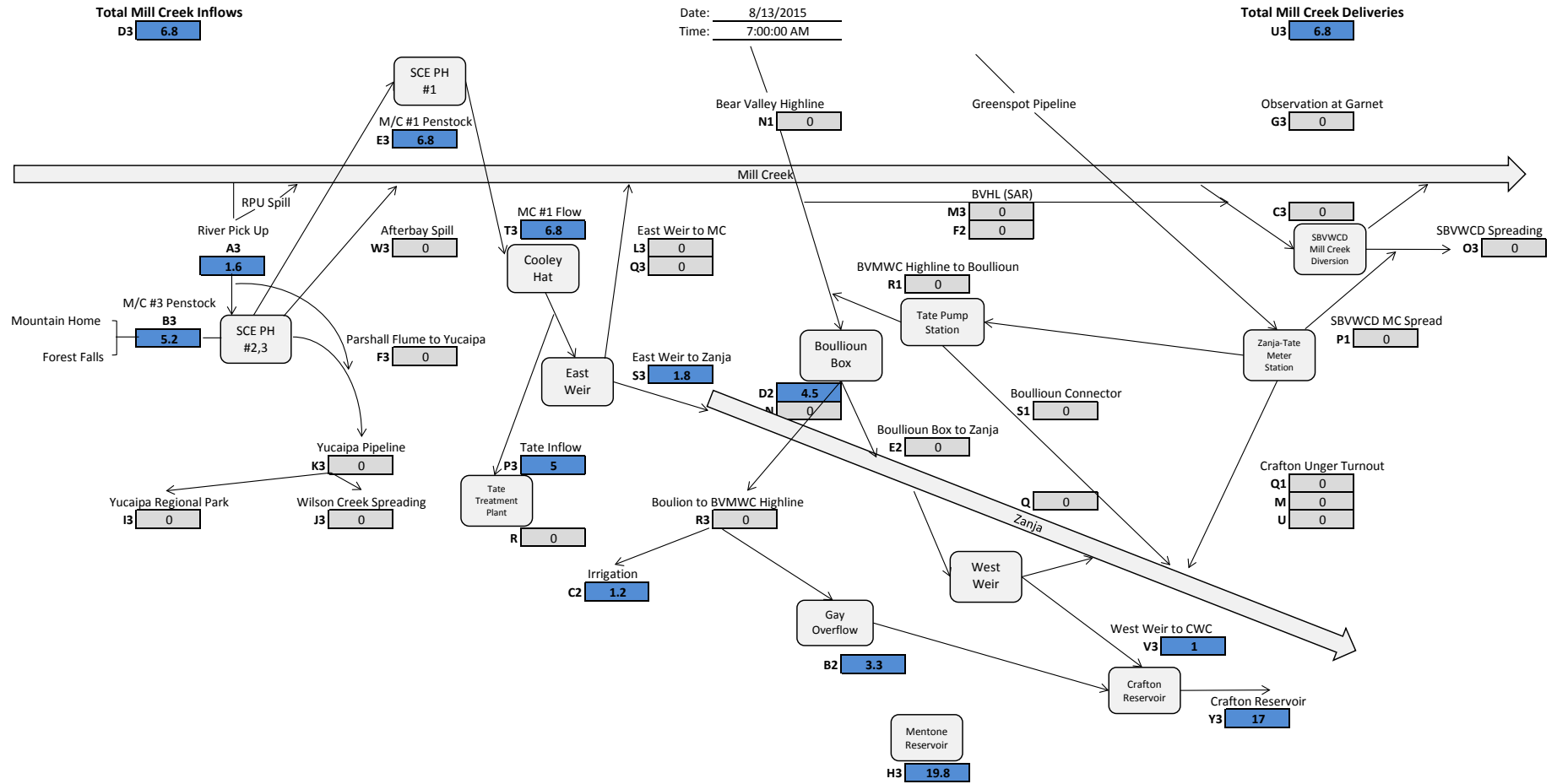
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	19.8
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.8	R3	Boullioun 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	1.0
			T3	MC #1 Flow (Cooley Hat)	6.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	17.0
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

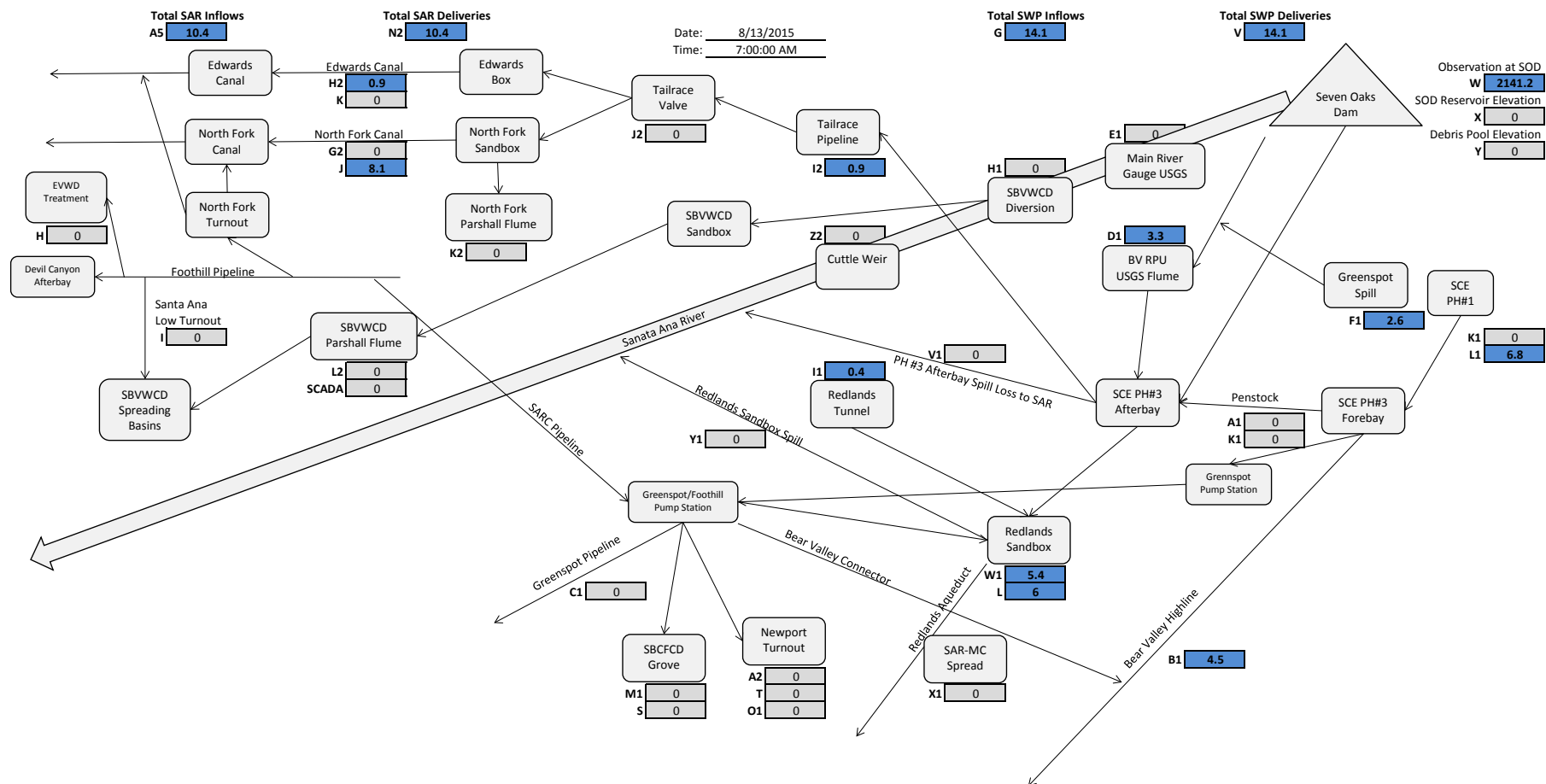
Santa Ana River - Mill Creek Cooperative Water Project

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: 8/14/2015
Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	10.7
N2	Total SAR Deliveries	10.7
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.1
W1	Redlands Aqueduct/Sandbox	6.6

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.0
U3	Total MC Deliveries	6.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.0

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	19
Mentone Reservoir Level	19.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/14/2015

Time: 6:50:00 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	14.0	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	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	14.0	N	BVMWC Bouliouin Box	0.0	V	Total SWP Deliveries	14.0

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)		5.0	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	1.1	D2	Boullioun Box Weir	3.4	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	3.4
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		5.0	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		3.4						
W1	Redlands Aqueduct / Sandbox	6.6				Seven Oaks Dam						
Y1	Redlands Sandbox Spill	0.0				w	Observation at SOD		2141.2			
minus			Other			x	SOD Reservoir Elevation		0.0			
F1	Greenspot Spill	2.3	J1	Big Bear Lake Release	1.5	y	Debris Pool Elevation		0.0	D1a	BV Pick-Up gated	☐
D1	BVMWC River PU (USGS)	5.0	L1	SCE SAR AVM (SCADA)	6.3							
I1	Redlands Tunnel	0.4	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	1.1
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.1

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	3.4
		minus
B2	Gay Overflow	2.0
C2	Irrigation	1.4

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.6
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.4
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
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	10.7

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.5	E3	M/C #1 Penstock Flow	6.0
B3	M/C #3 Penstock	4.5	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	6.0			

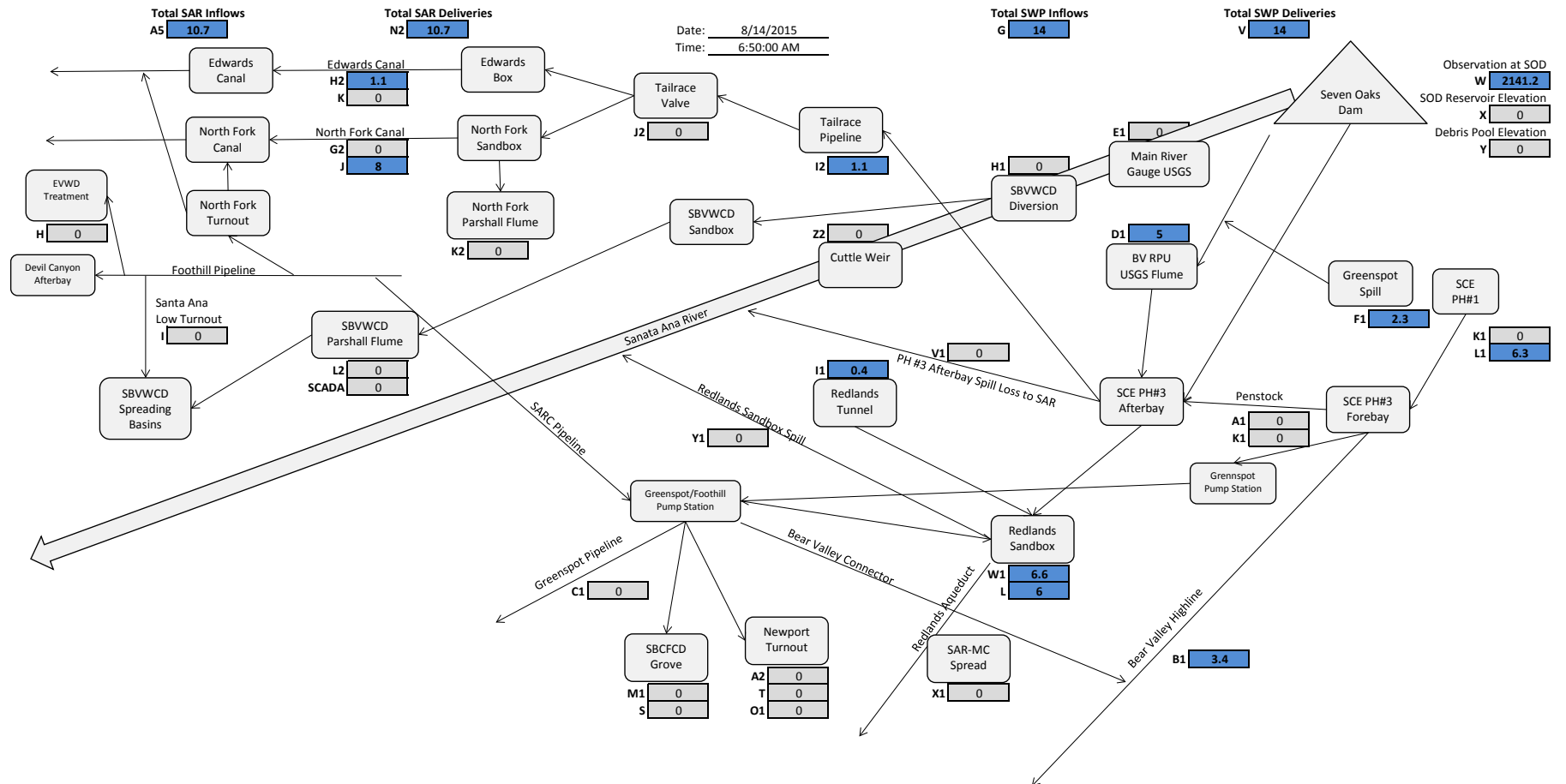
Mill Creek Deliveries

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	19.4
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.0	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.0	u3	Total MC Deliveries	6.0	v3	Zanja West Weir to CWC Canal	0.4
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.0				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	2,719.6	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: 8/17/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.7
N2	Total SAR Deliveries	9.7
A1	SAR PH#3 Penstock (calc)	0.0
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
W1	Redlands Aqueduct/Sandbox	7.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.0
U3	Total MC Deliveries	6.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.0

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	21

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	15.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	5.9
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.1

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/17/2015

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	14.0	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	1.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	14.0	N	BVMWC Bouillion 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)	4.2	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.1	
J1	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		4.2	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								3.1
W1	Redlands Aqueduct / Sandbox	7.0				Seven Oaks Dam						
Y1	Redlands Sandbox Spill	0.0				Other						
minus			J1	Big Bear Lake Release	1.5	W	Observation at SOD	2141.2	F1	Greenspot Spill	2.4	
F1	Greenspot Spill	2.4	L1	SCE SAR AVM (SCADA)	5.3	X	SOD Reservoir Elevation	0.0	E1	Main River Gage (USGS)	0.0	
D1	BVMWC River PU (USGS)	4.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Y	Debris Pool Elevation	0.0	D1a	BV Pick-Up gated	☐	
I1	Redlands Tunnel	0.4										
A1	SAR PH #3 Penstock (calc)	0.0										
K1	PH3# Penstock (SCADA)	0.0										
			A5 Total SAR Inflows 9.7									

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	7.0
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				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				D2	Boullioun Box Weir	3.1	I2	Tailrace Pipeline	0.0
T1	Tate Pump Station to Zanja	0.0				minus			I2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	3.1	minus		
						C2	Irrigation	0.0	J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	9.7

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.3	E3	M/C #1 Penstock Flow	6.0
B3	M/C #3 Penstock	4.7	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	6.0			

Mill Creek Deliveries

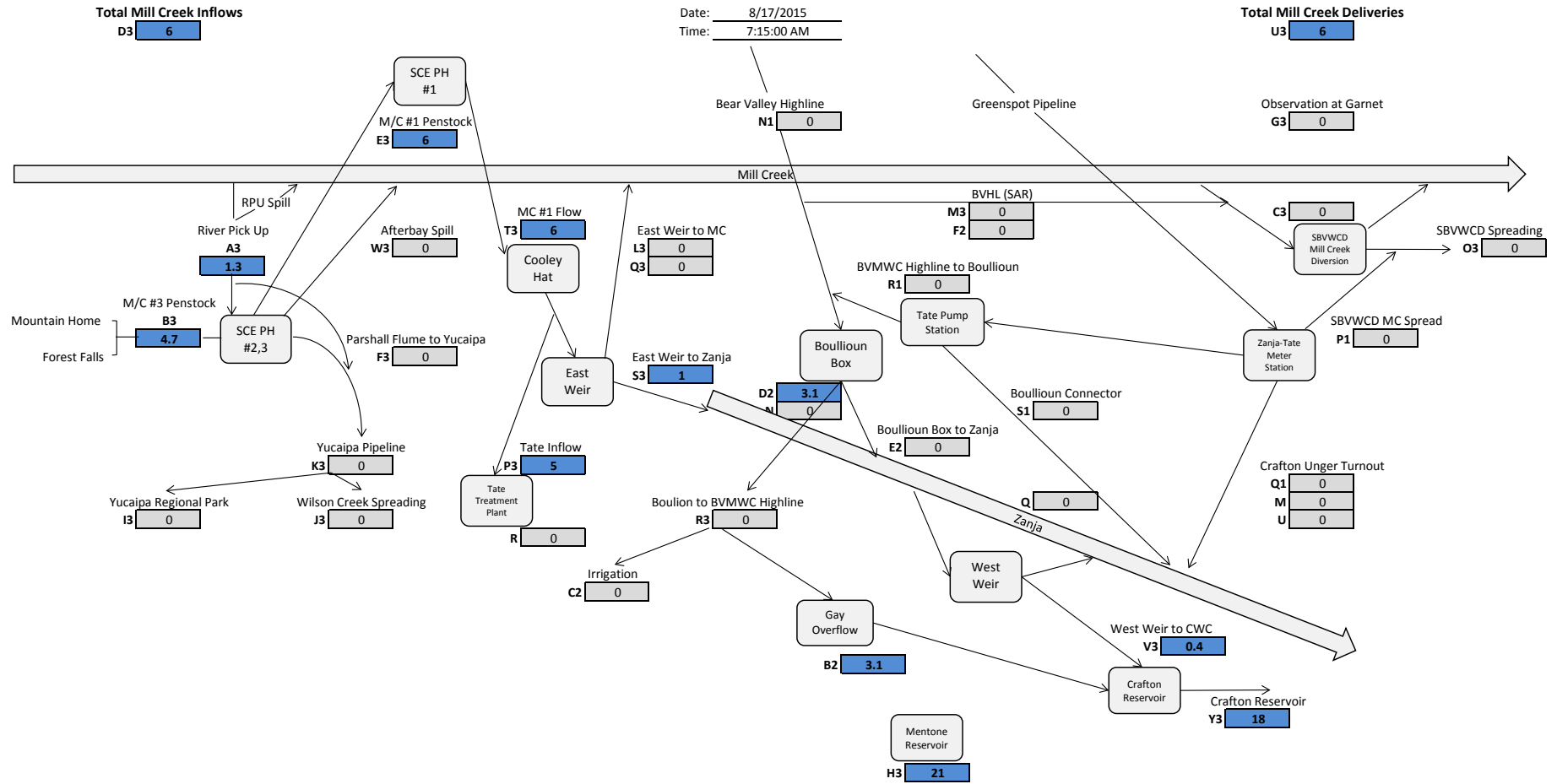
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.0
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.0	R3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.0	u3	Total MC Deliveries	6.0	V3	Zanja West Weir to CWC Canal	0.4
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	18.0

SBVWCD Recharge

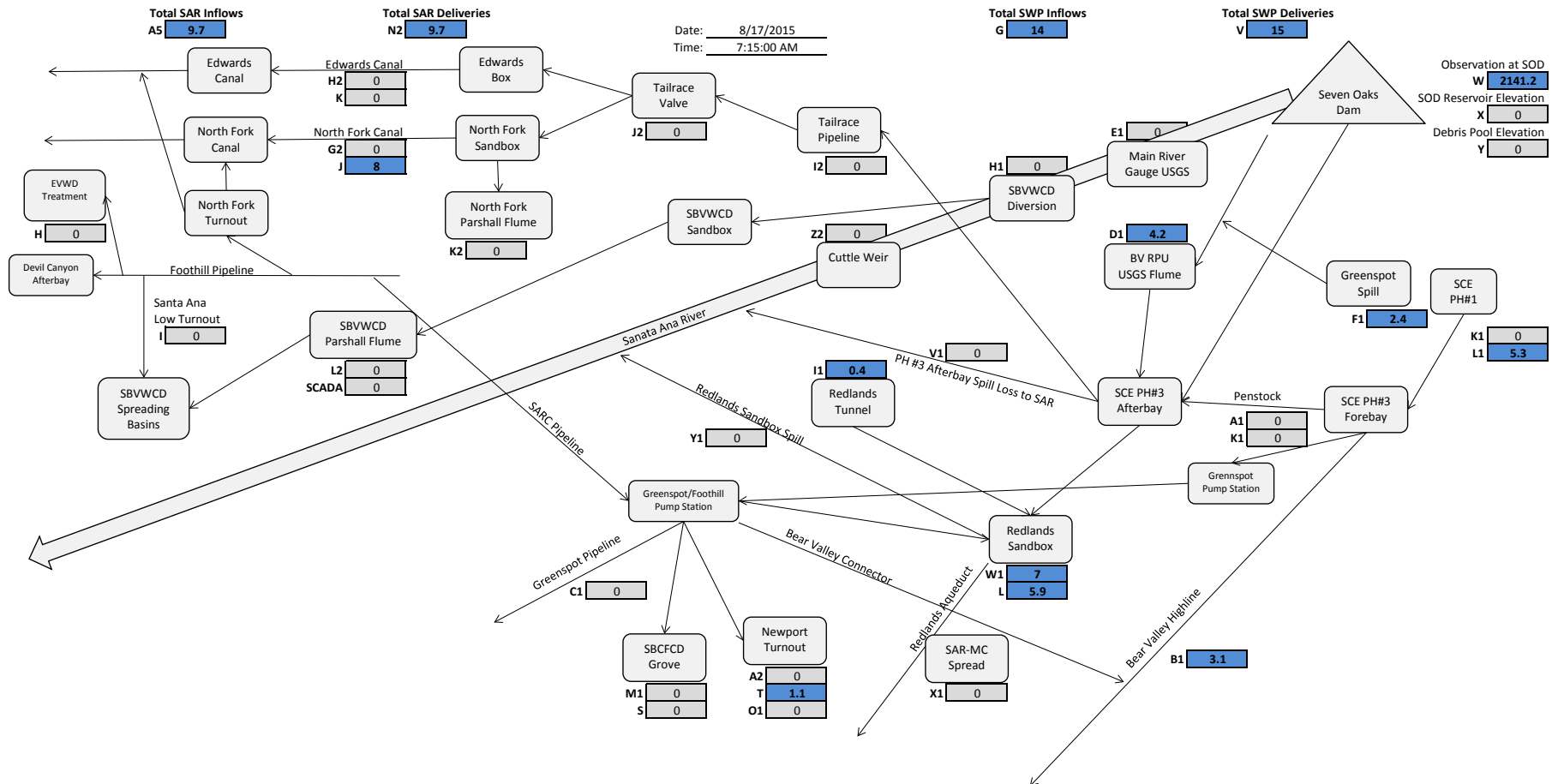
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 8/18/2015
Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	10.2
N2	Total SAR Deliveries	10.2
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.1
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
W1	Redlands Aqueduct/Sandbox	6.6

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.6
U3	Total MC Deliveries	6.6
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.6

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	19
Mentone Reservoir Level	20.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.1
V	Total SWP Deliveries	14.1
J	Northfork Canal	8.1
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/18/2015
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	8.1
D	Purchased Water	14.1	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	14.1	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	14.1

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	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.1	B1	BVMWC Highline
J2	Tailrace Valve	0.0	E2	Boullioun Box to Zanja	0.0	C1	Greenspot Pipeline
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	D1	BVMWC River PU (USGS)
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline	3.1	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	6.6				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.0				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	2.4					
D1	BVMWC River PU (USGS)	4.7					
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		Tailrace Pipeline		SBVWCD Parshall FlumeTo Basins		Deliveries	
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	0.0	V1	SAR PH #3 Afterbay Spill
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	Y1	Redlands Sandbox Spill
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	0.0	Z2	Cuttle Weir To River
Q1	Crafton WC Unger Lane	0.0	H1	SBVWCD Diversion	0.0	B1	BVMWC Highline
R1	BVMWC Highline to Boullioun	0.0	L2	SBVWCD Parshall Flume	0.0	C1	Greenspot Pipeline
S1	Crafton WC Boullioun	0.0		Parshall Flume (SCADA)	0.0	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.4
B3	M/C #3 Penstock	5.2
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.6

Other		
E3	M/C #1 Penstock Flow	6.6
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

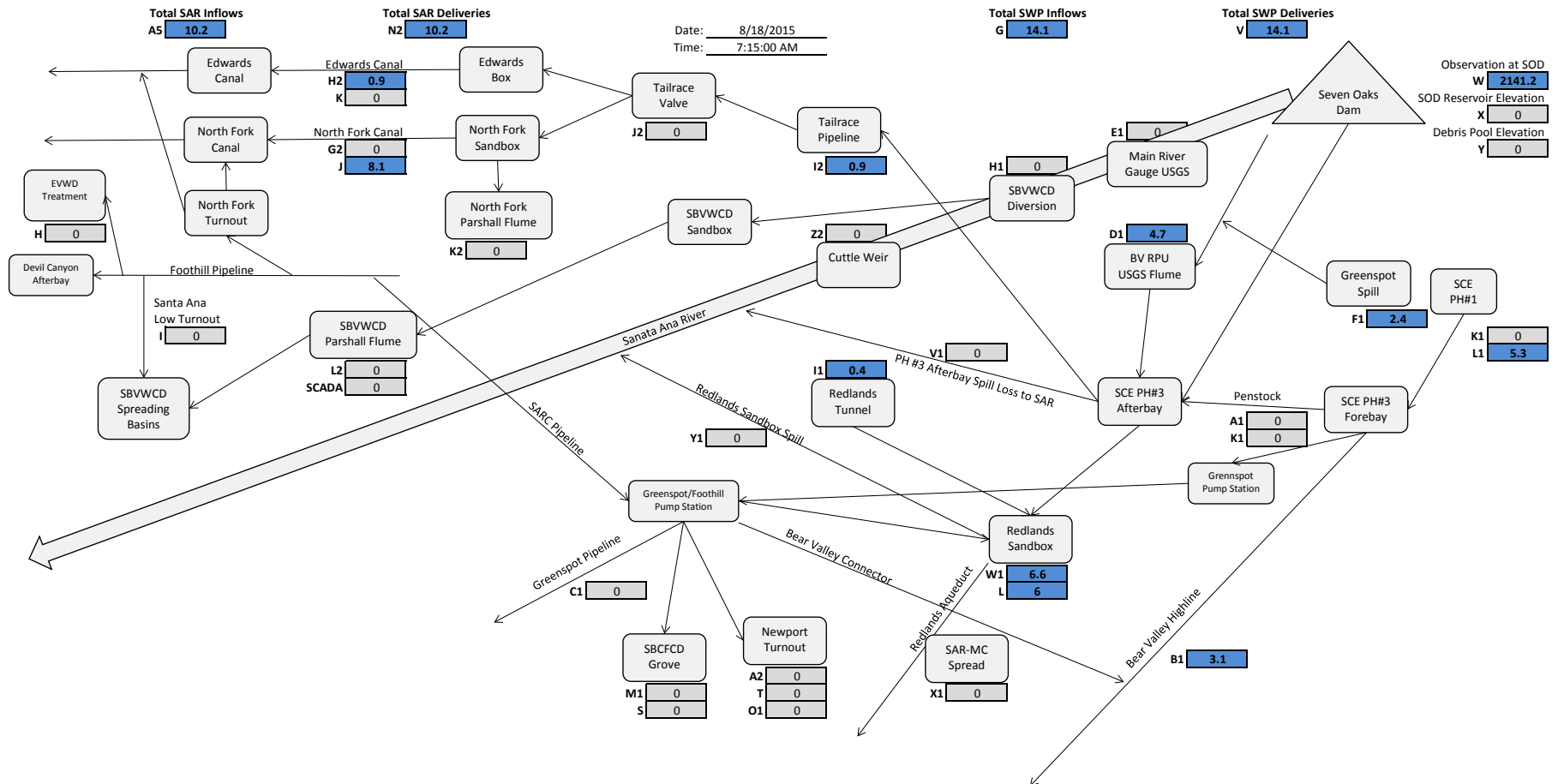
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boullioun to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.6	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	6.6	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

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

SBVWCD Recharge

Location	Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6
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
D4	Mill Creek	SWP	H4	0.0	L4	0
	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: 8/19/2015
Time: 7:15:00 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	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	5.8

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.6
U3	Total MC Deliveries	6.6
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.6

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	20.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/19/2015

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	14.0	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	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	14.0	N	BVMWC Bouliouin Box	0.0	V	Total SWP Deliveries	14.0

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	0.9	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	3.1
J1	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		3.1				F1	Greenspot Spill	2.6
W1	Redlands Aqueduct / Sandbox	5.8								E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0								D1a	BV Pick-Up gated	□
minus										A5	Total SAR Inflows	9.4
F1	Greenspot Spill	2.6	Other									
D1	BVMWC River PU (USGS)	3.7	J1	Big Bear Lake Release	1.5	w	Observation at SOD		2141.2			
I1	Redlands Tunnel	0.4	L1	SCE SAR AVM (SCADA)	5.9	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	0.9
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	3.1
		minus
B2	Gay Overflow	3.1
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.8
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.1
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	0.4
N2	Total SAR Deliveries	9.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.5	E3	M/C #1 Penstock Flow	6.6
B3	M/C #3 Penstock	5.1	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	6.6			

Mill Creek Deliveries

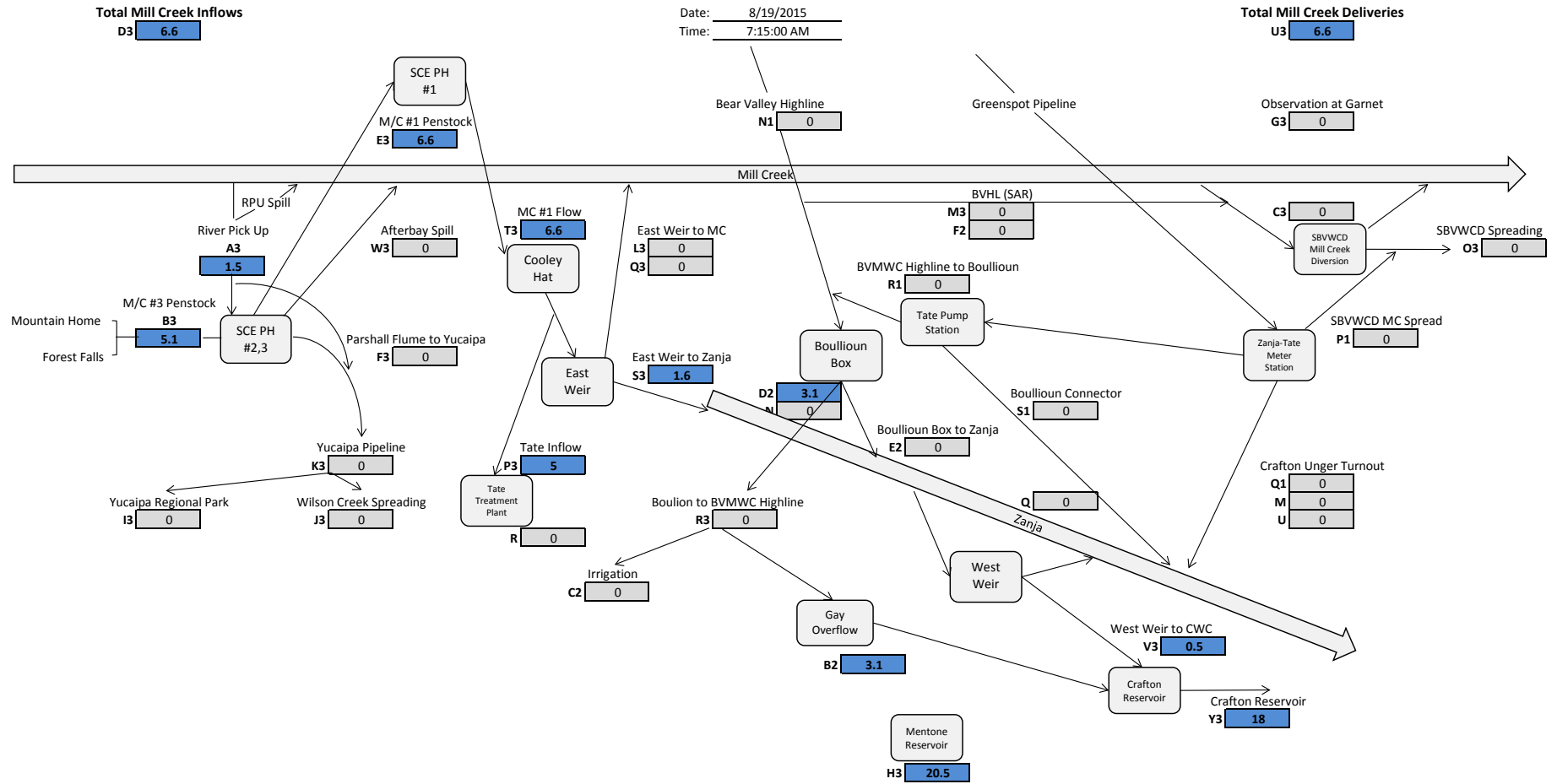
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	20.5
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.6	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.6	u3	Total MC Deliveries	6.6	v3	Zanja West Weir to CWC Canal	0.5
			t3	MC #1 Flow (Cooley Hat)	6.6				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	18.0

SBVWCD Recharge

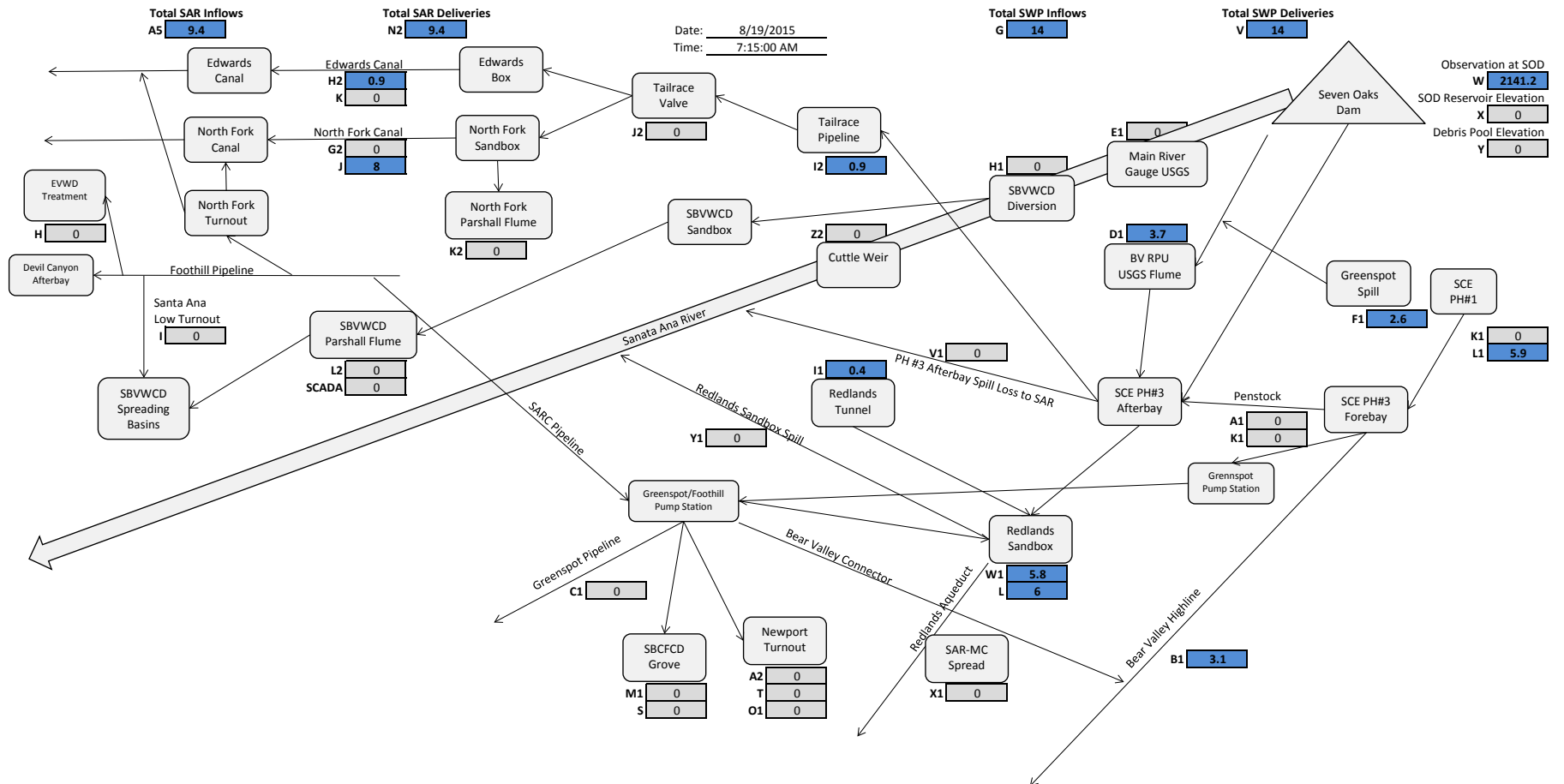
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/20/2015
Time: 7:25:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.5
N2	Total SAR Deliveries	9.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	5.9

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

Reservoir Levels	Feet
Observation at SOD	2141.2
Crafton Reservoir Level (21.3)	16.5
Mentone Reservoir Level	21.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.5
V	Total SWP Deliveries	14.5
J	Northfork Canal	7.9
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

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

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

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Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/20/2015

Time: 7:25:00 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	7.9	R	Tate Treatment Plant	0.0
D	Purchased Water	14.5	K	Edwards Canal	0.0	S	SBFCFD 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	14.5	N	BVMWC Boullioun Box	0.0	V	Total SWP Deliveries	14.5

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)		3.4	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.9	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		3.4	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 2141.2 x SOD Reservoir Elevation 0.0 y Debris Pool Elevation 0.0							
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline									3.1
W1	Redlands Aqueduct / Sandbox	5.9											
Y1	Redlands Sandbox Spill	0.0	Other J1 Big Bear Lake Release 1.5 L1 SCE SAR AVM (SCADA) 6.1 X1 SAR-MC Spread (Red. Aqueduct) 0.0			D1	BVMWC River PU (USGS)		3.4	F1	Greenspot Spill	3.0	
minus						E1	Main River Gage (USGS)		0.0	D1a	BV Pick-Up gated	☐	
F1	Greenspot Spill	3.0				A5	Total SAR Inflows		9.5				
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	0.9
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	3.1
	minus	
B2	Gay Overflow	3.1
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.9
Y1	Redlands Sandbox Spill	0.0
Z1	Cuttle Weir To River	0.0
B2	BVMWC Highline	3.1
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	0.4
N2	Total SAR Deliveries	9.5

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.6	E3	M/C #1 Penstock Flow	6.7
B3	M/C #3 Penstock	5.1	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	6.7			

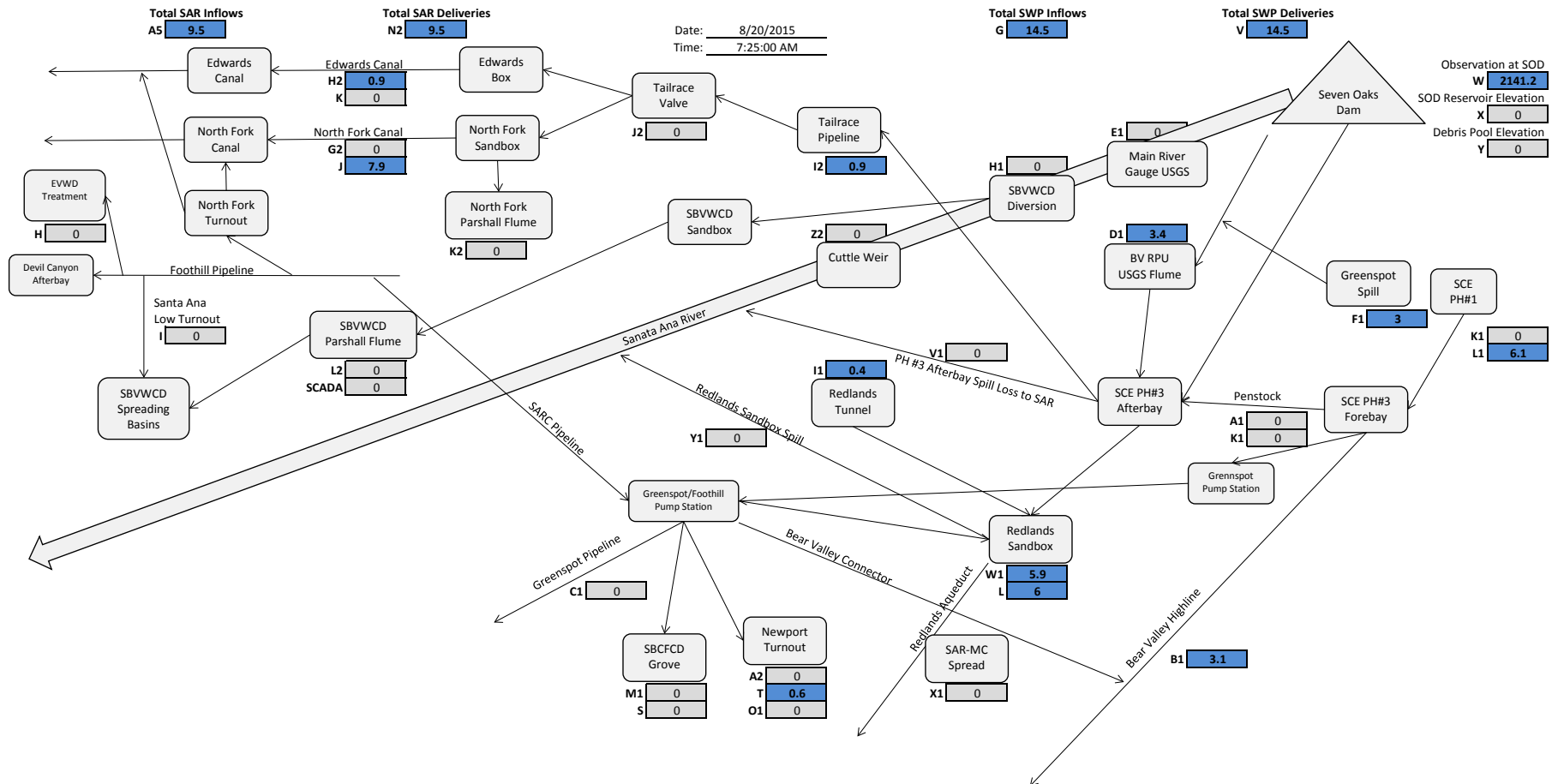
Mill Creek Deliveries

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	21.5
j3	Wilson Creek Spreading	0.0	o3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.7	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.7	u3	Total MC Deliveries	6.7	v3	Zanja West Weir to CWC Canal	1.0
SBVWCD MC Spreading			MC #1 Flow (Cooley Hat)						w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	16.5

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: 8/21/2015
Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.6
N2	Total SAR Deliveries	9.6
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.0
W1	Redlands Aqueduct/Sandbox	6.0

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

Reservoir Levels	Feet
Observation at SOD	2141.5
Crafton Reservoir Level (21.3)	15
Mentone Reservoir Level	21.7

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

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

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/21/2015
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	14.0	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	14.0	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	14.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	1.0
J2	Tailrace Valve	0.0
K2	Northfork Parshall Flume	0.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	6.0
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	2.8
D1	BVMWC River PU (USGS)	3.8
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	3.0
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	3.0
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	6.4
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	3.8
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	3.8
Seven Oaks Dam		
w	Observation at SOD	2141.5
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	3.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	3.8
F1	Greenspot Spill	2.8
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	9.6

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	1.0
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.0

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	3.0
minus		
B2	Gay Overflow	1.8
C2	Irrigation	1.2

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.0
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
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	9.6

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.6
B3	M/C #3 Penstock	5.2
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.8

Other		
E3	M/C #1 Penstock Flow	6.8
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	21.7
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	0.6
			T3	MC #1 Flow (Cooley Hat)	6.8				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	15.0

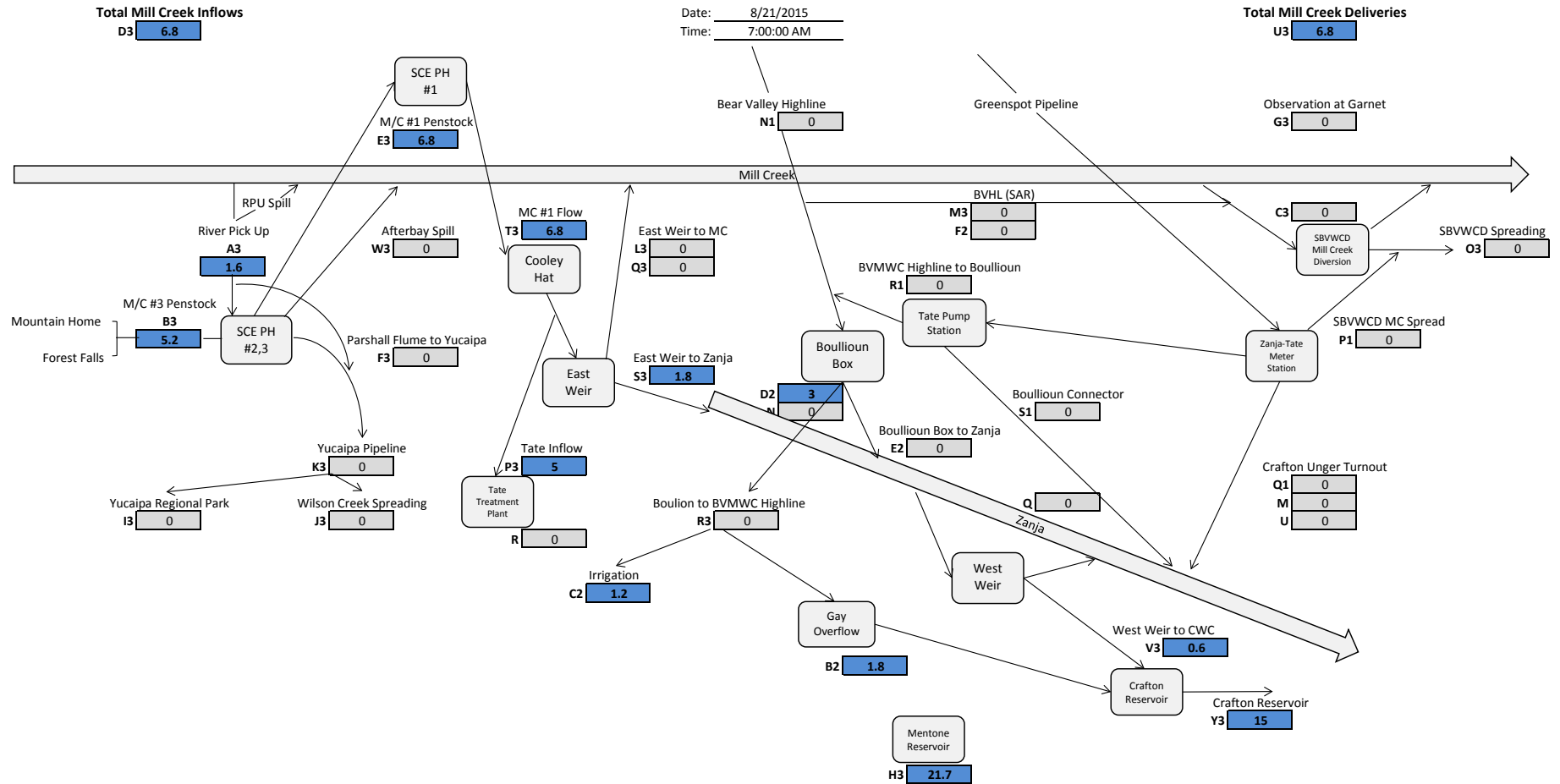
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

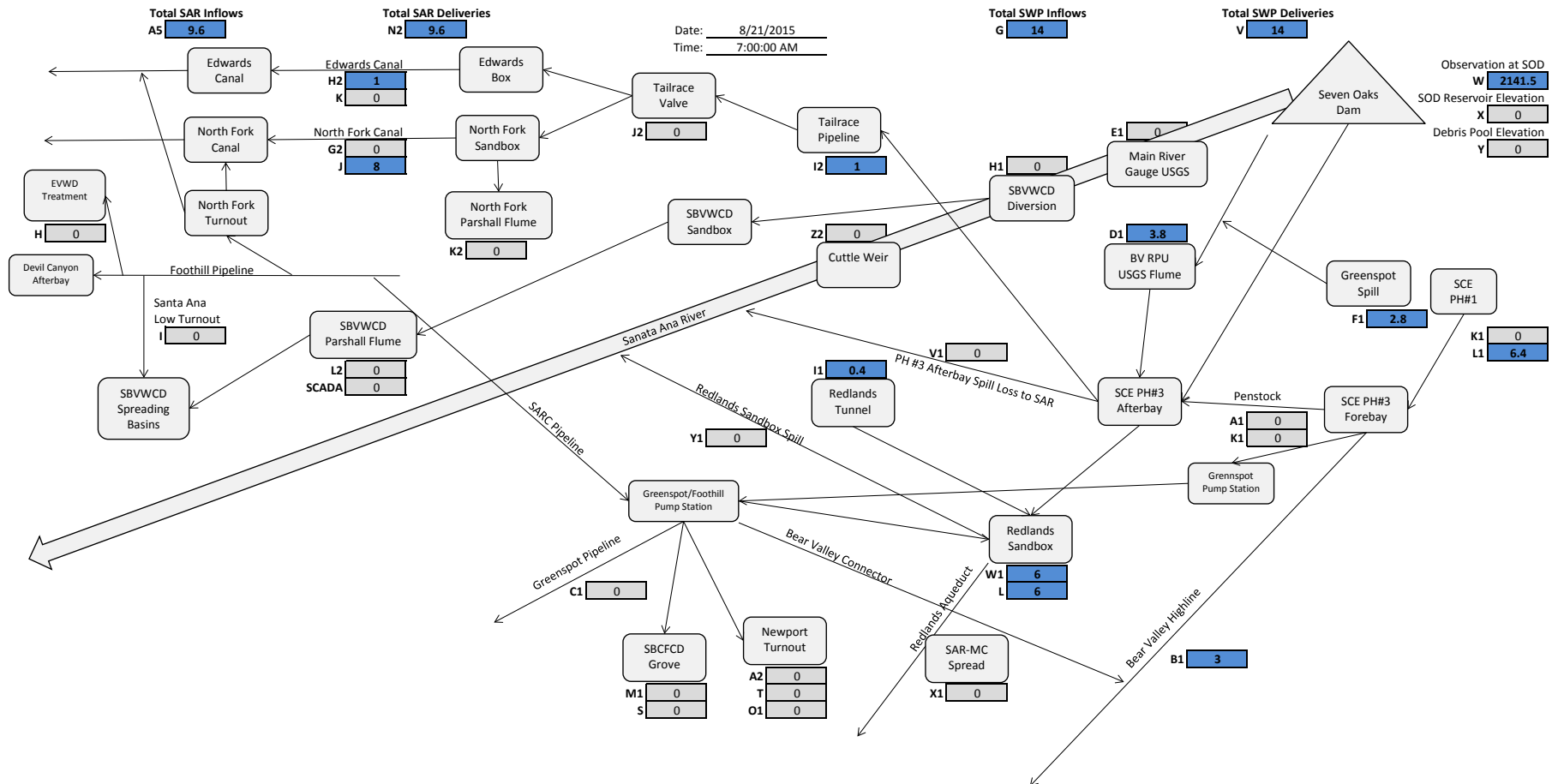
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/24/2015
Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	10.3
N2	Total SAR Deliveries	10.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.1
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
W1	Redlands Aqueduct/Sandbox	6.7

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.6
U3	Total MC Deliveries	6.6
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.6

Reservoir Levels	Feet
Observation at SOD	2141.5
Crafton Reservoir Level (21.3)	11
Mentone Reservoir Level	22

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.9
V	Total SWP Deliveries	14.9
J	Northfork Canal	7.9
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	1.0

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

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

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/24/2015

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	7.9	R	Tate Treatment Plant	0.0
D	Purchased Water	14.9	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	14.9	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	14.9

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	0.9	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.1
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	Seven Oaks Dam					
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 3.1							
W1	Redlands Aqueduct / Sandbox	6.7	Other			W	Observation at SOD	2141.5	F1	Greenspot Spill	2.8
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)	5.9	Y	Debris Pool Elevation	0.0	D1a	BV Pick-Up gated	0.0
F1	Greenspot Spill	2.8	X1	SAR-MC Spread (Red. Aqueduct)	0.0	Total SAR Inflows 10.3					
D1	BVMWC River PU (USGS)	4.4									
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			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	0.9	K2	Northfork Parshall Flume	0.0	W1	Redlands Aqueduct / Sandbox	6.7
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	0.9		Parshall Flume (SCADA)	0.0	B1	BVMWC Highline	3.1
R1	BVMWC Highline to Boullioun	0.0				Irrigation			C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0				D2	Boullioun Box Weir	3.1	I2	Tailrace Pipeline	0.9
T1	Tate Pump Station to Zanja	0.0				minus			I2	SBVWCD Parshall Flume	0.0
C1	Greenspot Pipeline	0.0				B2	Gay Overflow	1.6	minus		
						C2	Irrigation	1.5	J2	Tailrace Valve	0.0
									K2	Northfork Parshall Flume	0.0
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	10.3

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.5	E3	M/C #1 Penstock Flow	6.6
B3	M/C #3 Penstock	5.1	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	6.6			

Mill Creek Deliveries

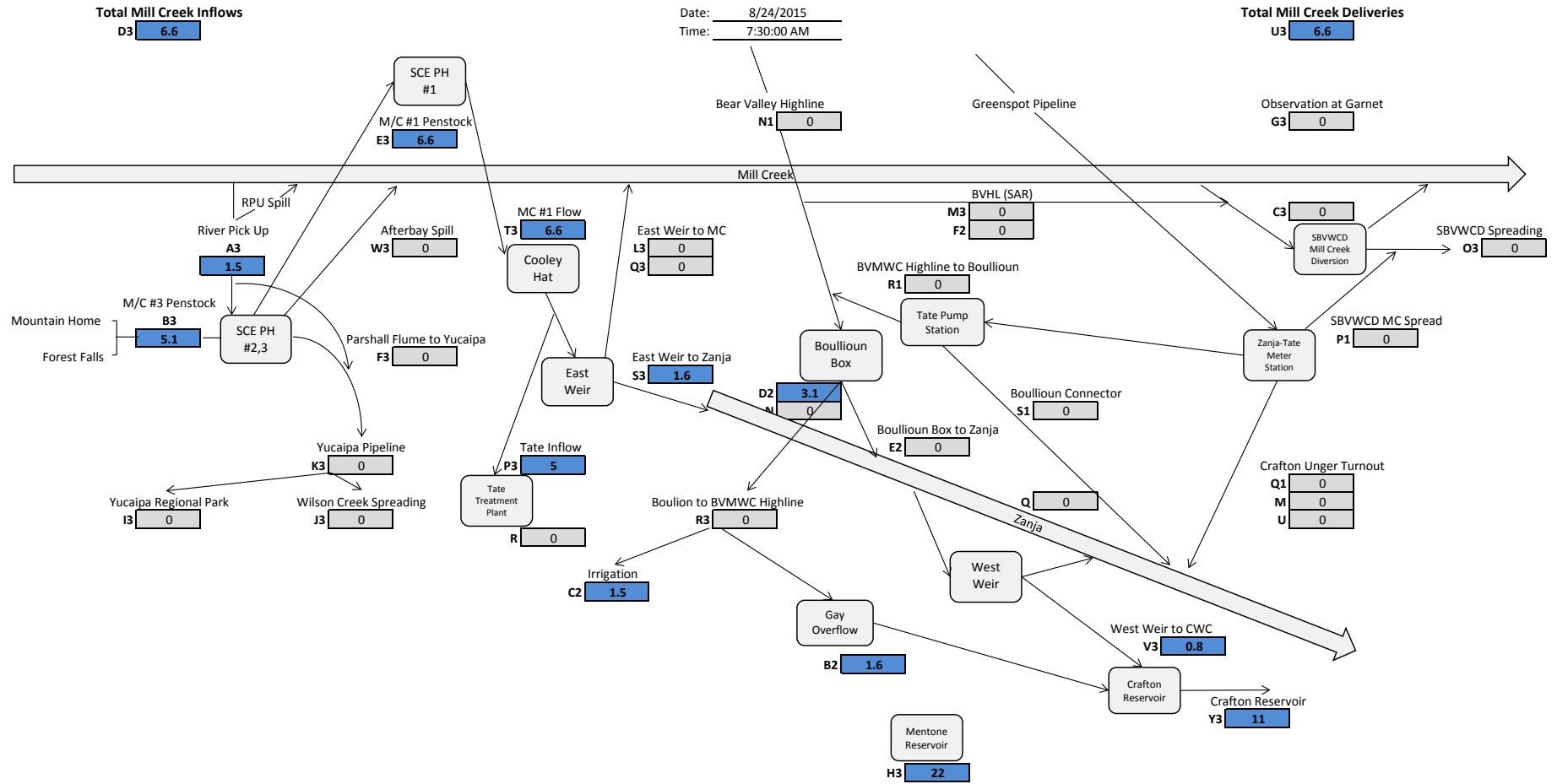
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.0	c3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	22.0
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.6	R3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.6	u3	Total MC Deliveries	6.6	V3	Zanja West Weir to CWC Canal	0.8
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.6				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	11.0

SBVWCD Recharge

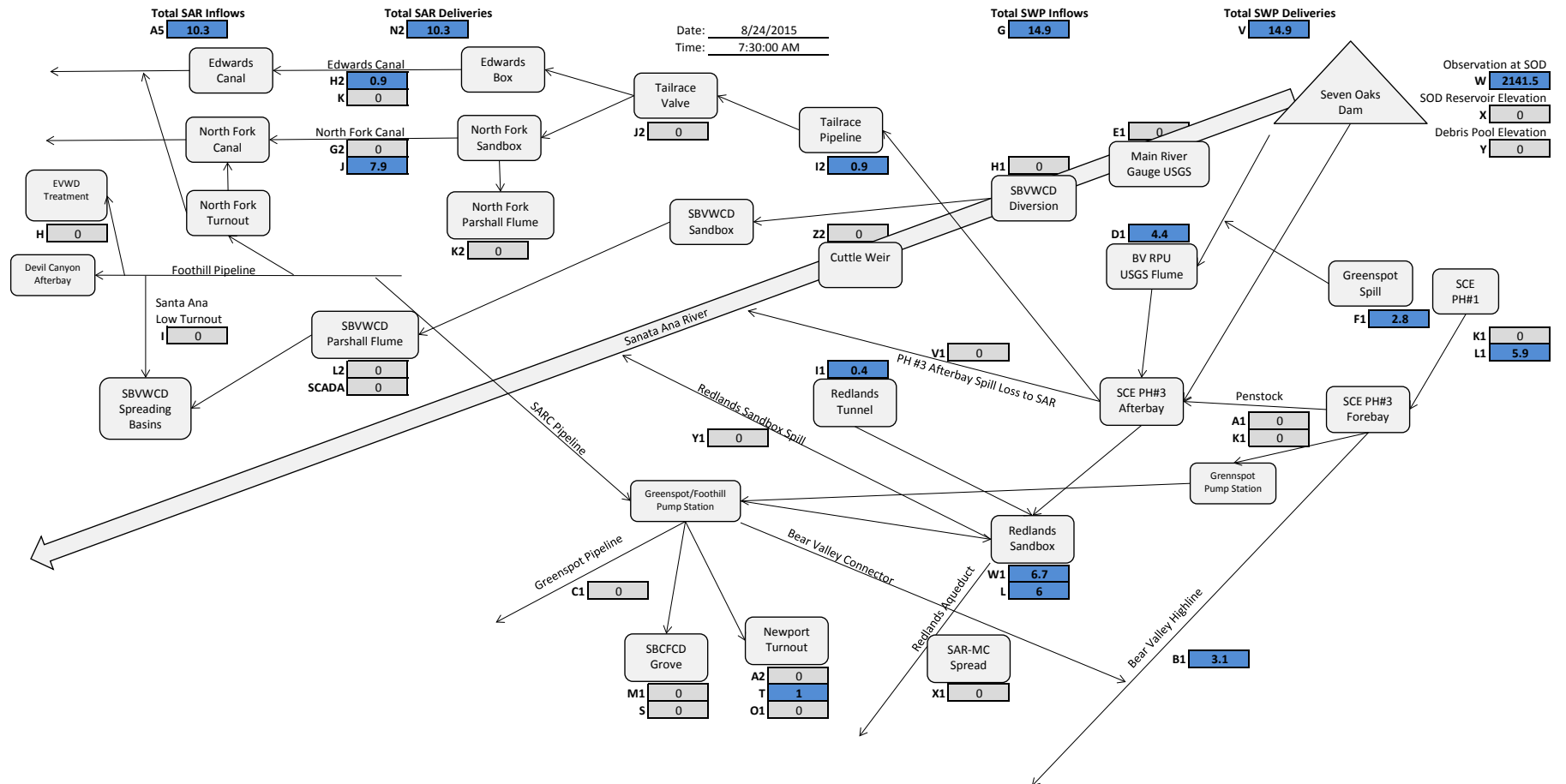
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing 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: 8/25/2015
Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.5
N2	Total SAR Deliveries	9.5
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
L2	SBVWCD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.1
W1	Redlands Aqueduct/Sandbox	5.4

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.4
U3	Total MC Deliveries	6.4
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.4

Reservoir Levels	Feet
Observation at SOD	2141.5
Crafton Reservoir Level (21.3)	11.1
Mentone Reservoir Level	21.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.7
V	Total SWP Deliveries	14.7
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.7

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

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

Note: slight spill at Redlands Aqueduct.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/25/2015
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	8.0
D	Purchased Water	14.7	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	14.7	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	0.7
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	14.7

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)		3.8	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	1.1	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		3.8	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	3.8		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		3.1					F1	Greenspot Spill	2.6	
W1	Redlands Aqueduct / Sandbox	5.4										E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.3										D1a	BV Pick-Up gated	☐
		minus										A5	Total SAR Inflows	9.5
F1	Greenspot Spill	2.6												
D1	BVMWC River PU (USGS)	3.8												
I1	Redlands Tunnel	0.4												
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)		5.6
X1	SAR-MC Spread (Red. Aqueduct)		0.0

w	Observation at SOD	2141.5
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	1.1
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.1

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	3.1
minus		
B2	Gay Overflow	2.2
C2	Irrigation	0.9

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.4
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
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	9.5

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.4
B3	M/C #3 Penstock	5.0
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.4

Other		
E3	M/C #1 Penstock Flow	6.4
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	5.2	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)	6.4	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.2	u3	Total MC Deliveries	6.4	v3	Zanja West Weir to CWC Canal	0.4
			t3	MC #1 Flow (Cooley Hat)	6.4				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	11.1

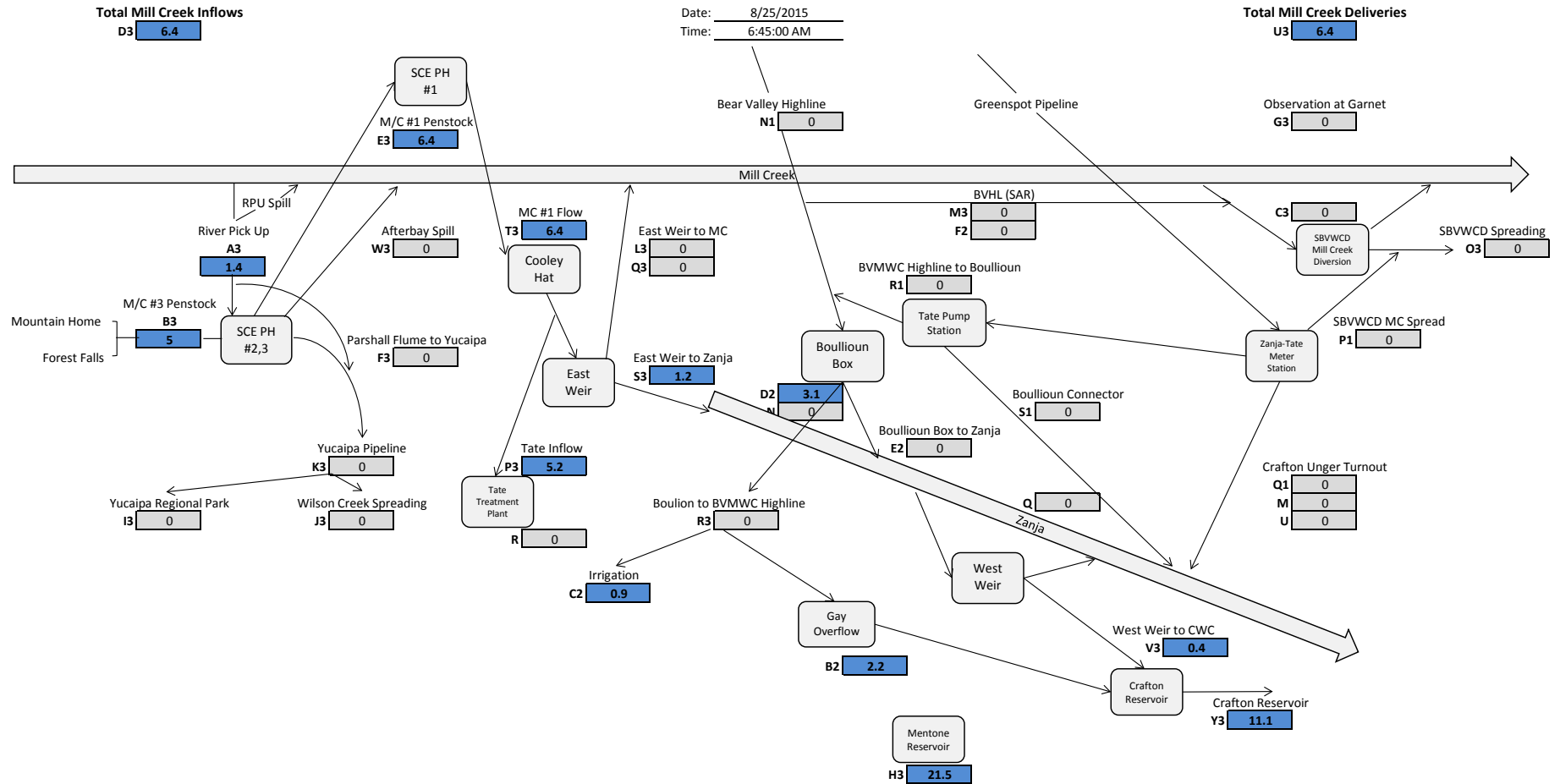
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

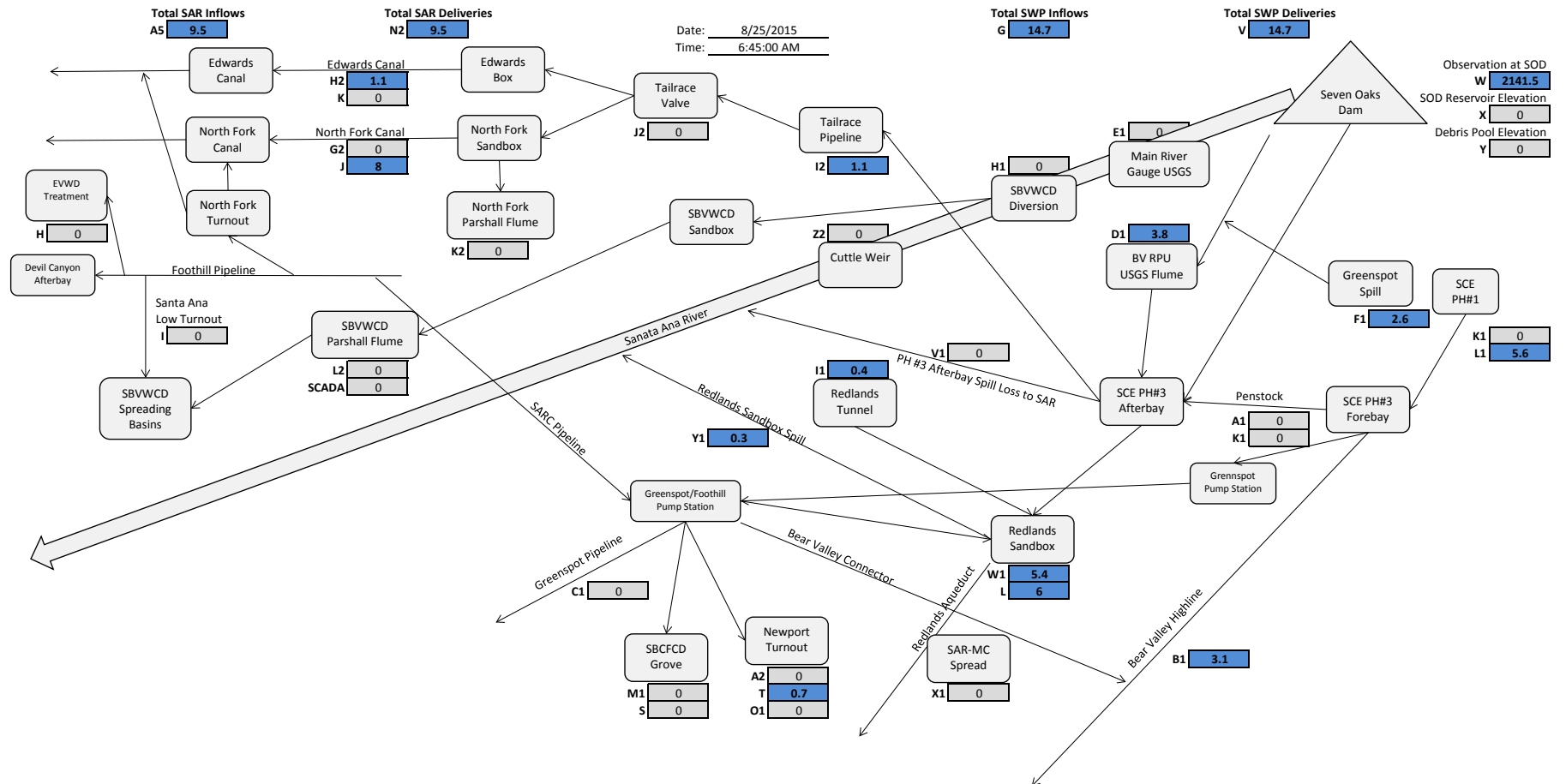
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 8/26/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	10.3
N2	Total SAR Deliveries	10.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.1
W1	Redlands Aqueduct/Sandbox	6.2

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	2141.5
Crafton Reservoir Level (21.3)	12
Mentone Reservoir Level	21.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,720	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	981	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/26/2015

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	14.0	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	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	14.0	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	14.0

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)	3.4	A1	SAR PH #3 Penstock (calc)	0.0									
H2	Edwards Canal	1.1	D2	Boullioun Box Weir	3.1	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.1									
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 <table><tr><td>w</td><td>Observation at SOD</td><td>2141.5</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	2141.5	x	SOD Reservoir Elevation	0.0	y	Debris Pool Elevation	0.0
w	Observation at SOD	2141.5																		
x	SOD Reservoir Elevation	0.0																		
y	Debris Pool Elevation	0.0																		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		3.1														
w1	Redlands Aqueduct / Sandbox	6.2	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>7.1</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)	7.1	X1	SAR-MC Spread (Red. Aqueduct)	0.0						
J1	Big Bear Lake Release	1.5																		
L1	SCE SAR AVM (SCADA)	7.1																		
X1	SAR-MC Spread (Red. Aqueduct)	0.0																		
Y1	Redlands Sandbox Spill	0.3																		
minus																				
F1	Greenspot Spill	3.8	PH3# Penstock (SCADA) <table><tr><td>K1</td><td>PH3# Penstock (SCADA)</td><td>0.0</td></tr></table>									K1	PH3# Penstock (SCADA)	0.0						
K1	PH3# Penstock (SCADA)	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	1.1
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	1.1

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	3.1
	minus	
B2	Gay Overflow	2.2
C2	Irrigation	0.9

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.2
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.1
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	10.3

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.6	E3	M/C #1 Penstock Flow	6.8
B3	M/C #3 Penstock	5.2	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

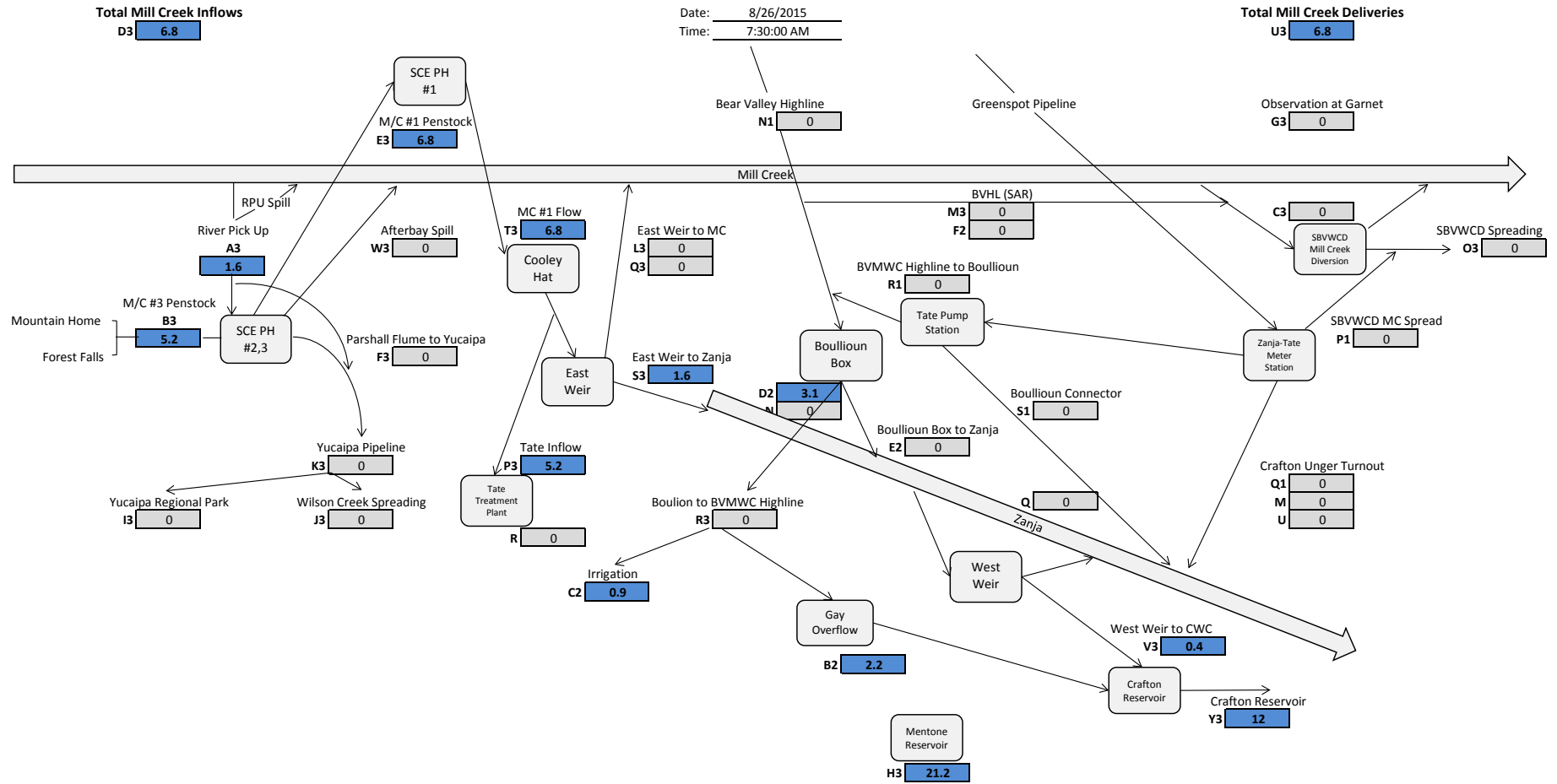
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
J3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.2	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.8	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.6	U3	Total MC Deliveries	6.8	V3	Zanja West Weir to CWC Canal	0.4
SBVWCD MC 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)	12.0

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 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

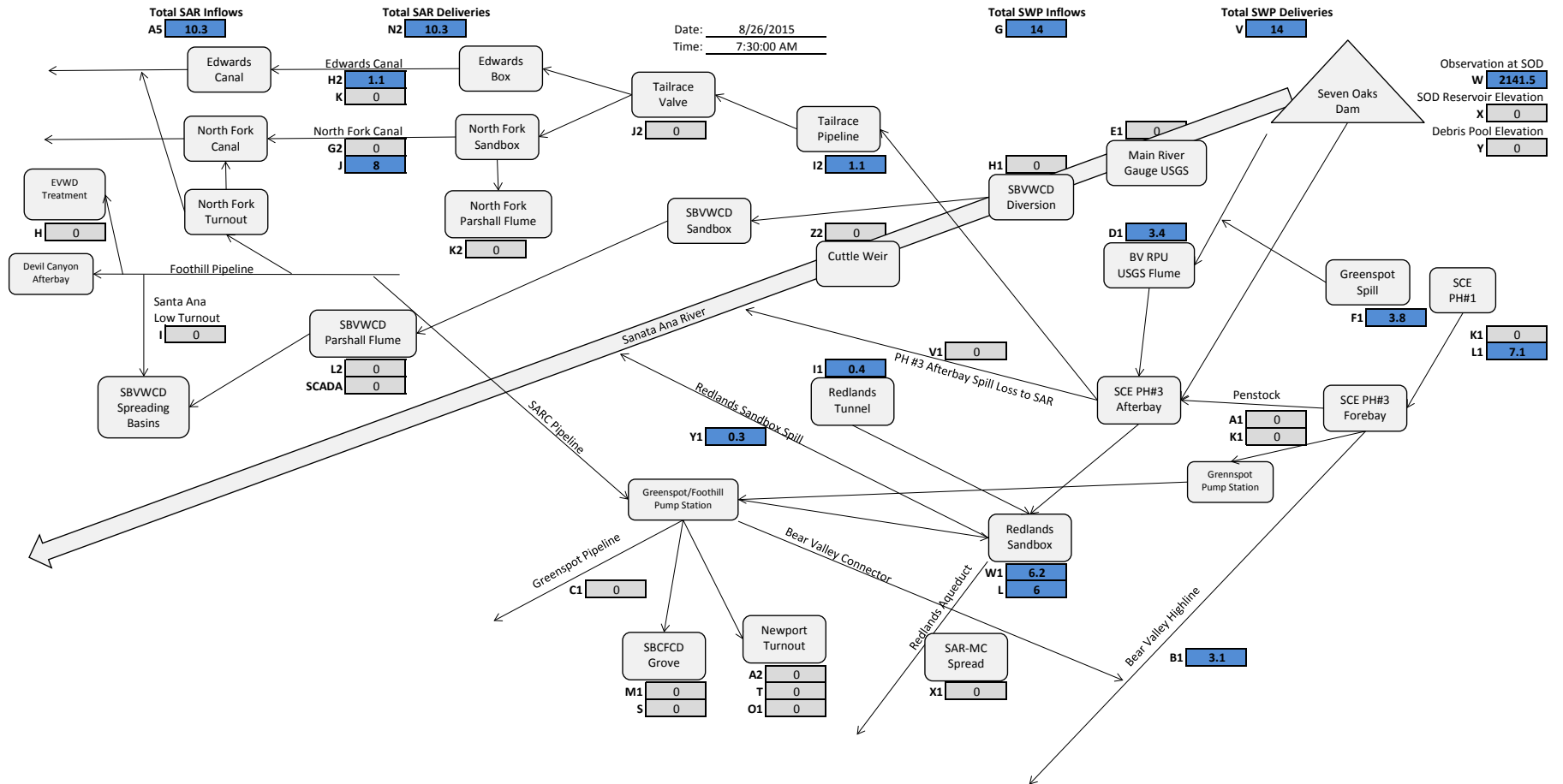
Santa Ana River - Mill Creek Cooperative Water Project

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: 8/27/2015

Time: 7:30:00 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	4.1
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
W1	Redlands Aqueduct/Sandbox	4.2

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	2141.5
Crafton Reservoir Level (21.3)	11.5
Mentone Reservoir Level	21

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,720	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	981	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/27/2015
Time: 7:30:00 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	14.0	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	14.0	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	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	14.0

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
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
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	4.2
Y1	Redlands Sandbox Spill	0.3
minus		
F1	Greenspot Spill	2.0
D1	BVMWC River PU (USGS)	3.1
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	4.1
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	4.1
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	5.8
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	3.1
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	3.1
Seven Oaks Dam		
w	Observation at SOD	2141.5
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	4.1
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	3.1
F1	Greenspot Spill	2.0
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	9.2

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	4.1
		minus
B2	Gay Overflow	2.5
C2	Irrigation	1.6

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	4.2
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.1
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	9.2

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.4
B3	M/C #3 Penstock	5.1
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

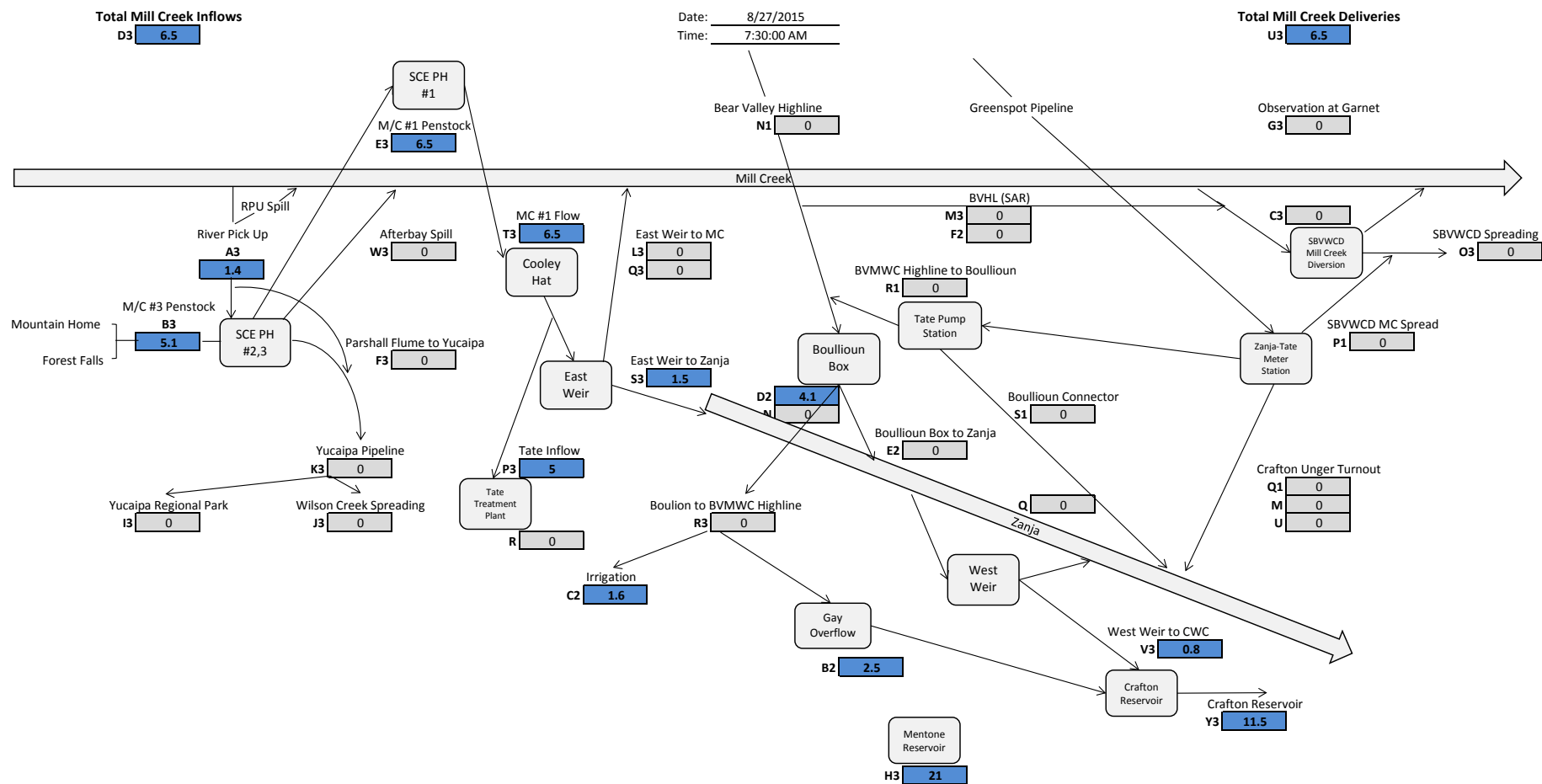
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.0
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	6.5	R3	Boullion 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)	11.5

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

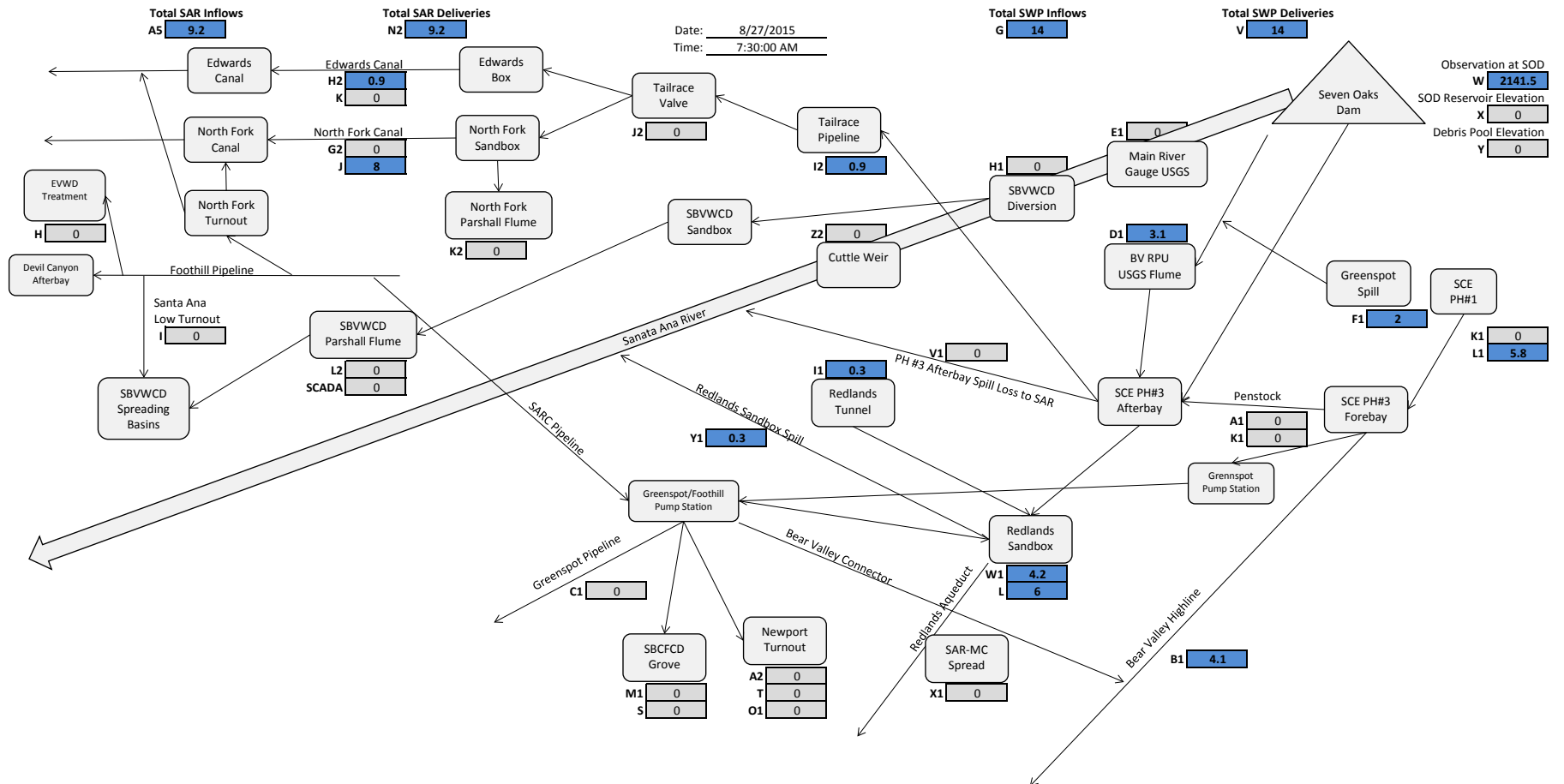
SBVWCD Recharge

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: 8/28/2015

Time: 7:30:00 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	3.8
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
W1	Redlands Aqueduct/Sandbox	5.0

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	2142.1
Crafton Reservoir Level (21.3)	12
Mentone Reservoir Level	20.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	13.9
V	Total SWP Deliveries	13.9
J	Northfork Canal	7.9
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,720	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	981	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/28/2015
Time: 7:30:00 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	7.9
D	Purchased Water	13.9	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	13.9	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	13.9

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		
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
V1	PH#3 Afterbay SpillLoss to SAR	0.0
W1	Redlands Aqueduct / Sandbox	5.0
Y1	Redlands Sandbox Spill	0.0
minus		
F1	Greenspot Spill	2.4
D1	BVMWC River PU (USGS)	3.2
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	3.8
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	3.8
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	6.2
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	3.2
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	3.2
Seven Oaks Dam		
w	Observation at SOD	2142.1
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	3.8
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	3.2
F1	Greenspot Spill	2.4
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	□
A5	Total SAR Inflows	9.4

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	3.8
		minus
B2	Gay Overflow	3.1
C2	Irrigation	0.7

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.0
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.9
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	9.4

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.4
B3	M/C #3 Penstock	5.1
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	20.5
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	
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	12.0

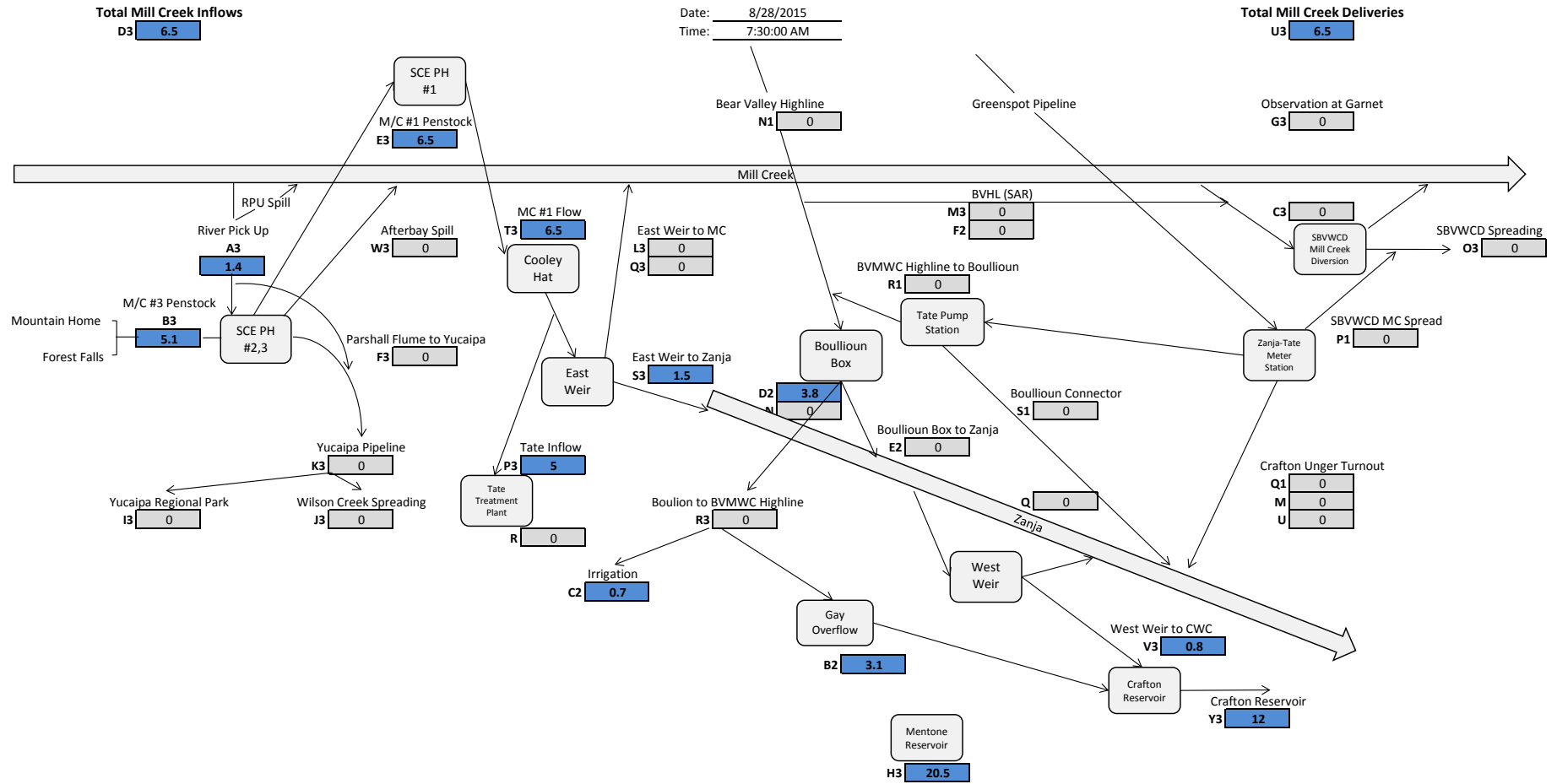
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

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

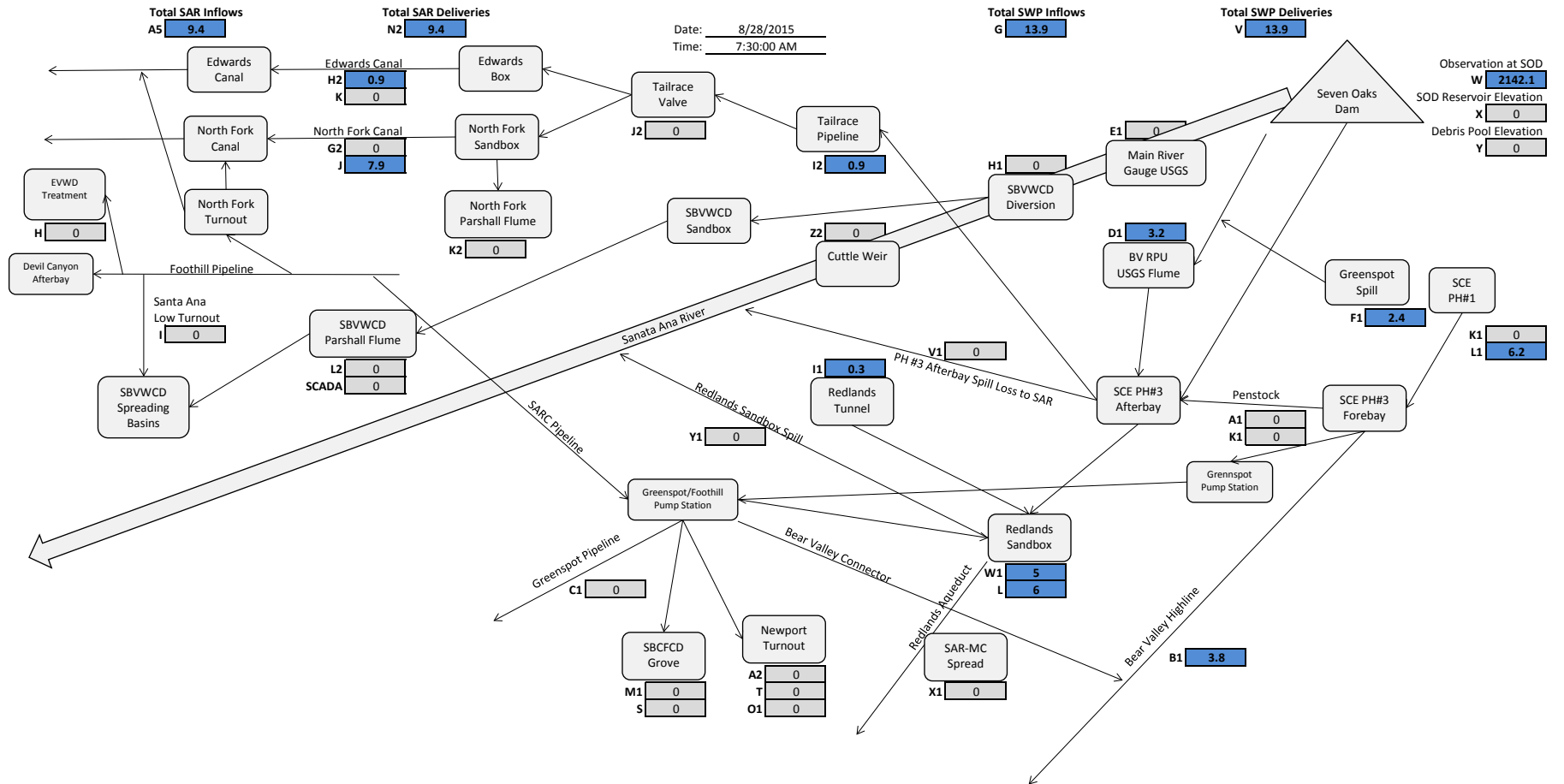
Santa Ana River - Mill Creek Cooperative Water Project

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: 8/31/2015

Time: 7:30:00 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)	0.0
B1	BVMWC Highline	2.9
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
W1	Redlands Aqueduct/Sandbox	5.9

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	6.4
U3	Total MC Deliveries	6.4
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	6.4

Reservoir Levels	Feet
Observation at SOD	2142.5
Crafton Reservoir Level (21.3)	11.5
Mentone Reservoir Level	20.4

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	14.0
V	Total SWP Deliveries	14.0
J	Northfork Canal	8.0
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

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

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,720	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	981	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes:

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 8/31/2015
Time: 7:30:00 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	14.0	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	14.0	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	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	14.0

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)		3.2	A1	SAR PH #3 Penstock (calc)	0.0		
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.9	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	2.9		
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal			3.2	C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam			2142.5	D1	BVMWC River PU (USGS)	3.2		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline						2.9	F1	Greenspot Spill	2.4	
W1	Redlands Aqueduct / Sandbox	5.9	Other			w	Observation at SOD		2142.5	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
minus			L1	SCE SAR AVM (SCADA)		5.7	y	Debris Pool Elevation		0.0	A5	Total SAR Inflows		8.5
F1	Greenspot Spill	2.4	X1	SAR-MC Spread (Red. Aqueduct)		0.0								
D1	BVMWC River PU (USGS)	3.2												
I1	Redlands Tunnel	0.3												
A1	SAR PH #3 Penstock (calc)													
K1	PH3# Penstock (SCADA)													

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	2.9
		minus
B2	Gay Overflow	2.9
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.9
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	0.0
L2	SBVWCD Parshall Flume	0.0
		minus
J2	Tailrace Valve to Parshall Flume	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		
A3	RPU Flow	1.5
B3	M/C #3 Penstock	4.9
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.4

Other		
E3	M/C #1 Penstock Flow	6.4
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)	6.4	r3	Boullion to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.4	u3	Total MC Deliveries	6.4	v3	Zanja West Weir to CWC Canal	0.7
			t3	MC #1 Flow (Cooley Hat)	6.4			w3	Mill Creek PH #2,3 Afterbay Spill	0.0	
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	11.5

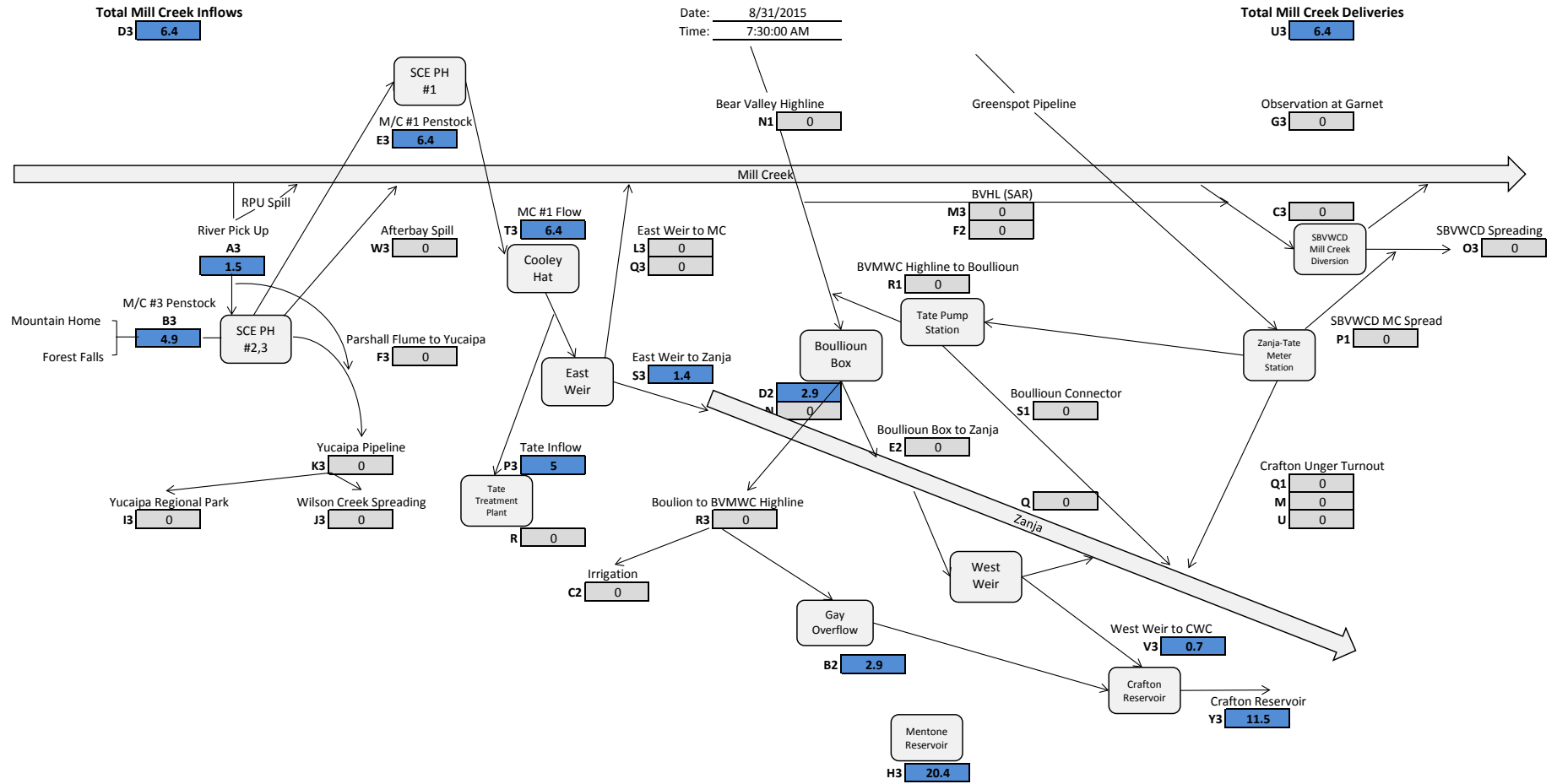
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

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

