

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/1/2015

Time: 8:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.8
N2	Total SAR Deliveries	9.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.0
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	6.1

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.0
U3	Total MC Deliveries	7.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.0

Reservoir Levels	Feet
Observation at SOD	2142.5
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	20.5

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	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:

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State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0	P	SARC West	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	Q	Zanja	0.0
C	Exchange Water	0.0	J	Northfork Canal	8.0	R	Tate Treatment Plant	0.0
D	Purchased Water	14.8	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	0.8
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	14.8	N	BVMWC Bouillion Box	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)		4.4	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.0	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	3.0
J1	Tailrace Valve to Parshall Flume	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							
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		3.0		Seven Oaks Dam				
w1	Redlands Aqueduct / Sandbox	6.1				w	Observation at SOD		2142.5	F1	Greenspot Spill	2.4
Y1	Redlands Sandbox Spill	0.0				x	SOD Reservoir Elevation		0.0	E1	Main River Gage (USGS)	0.0
minus			Other			y	Debris Pool Elevation		0.0	D1a	BV Pick-Up gated	☐
F1	Greenspot Spill	2.4	J1	Big Bear Lake Release	1.5	Total SAR Inflows						
D1	BVMWC River PU (USGS)	4.4	L1	SCE SAR AVM (SCADA)	6.1	9.8						
I1	Redlands Tunnel	0.2	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	3.0
	minus	
B2	Gay Overflow	3.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	6.1
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.0
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	0.2
N2	Total SAR Deliveries	9.8

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.6	E3	M/C #1 Penstock Flow	7.0
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	7.0			

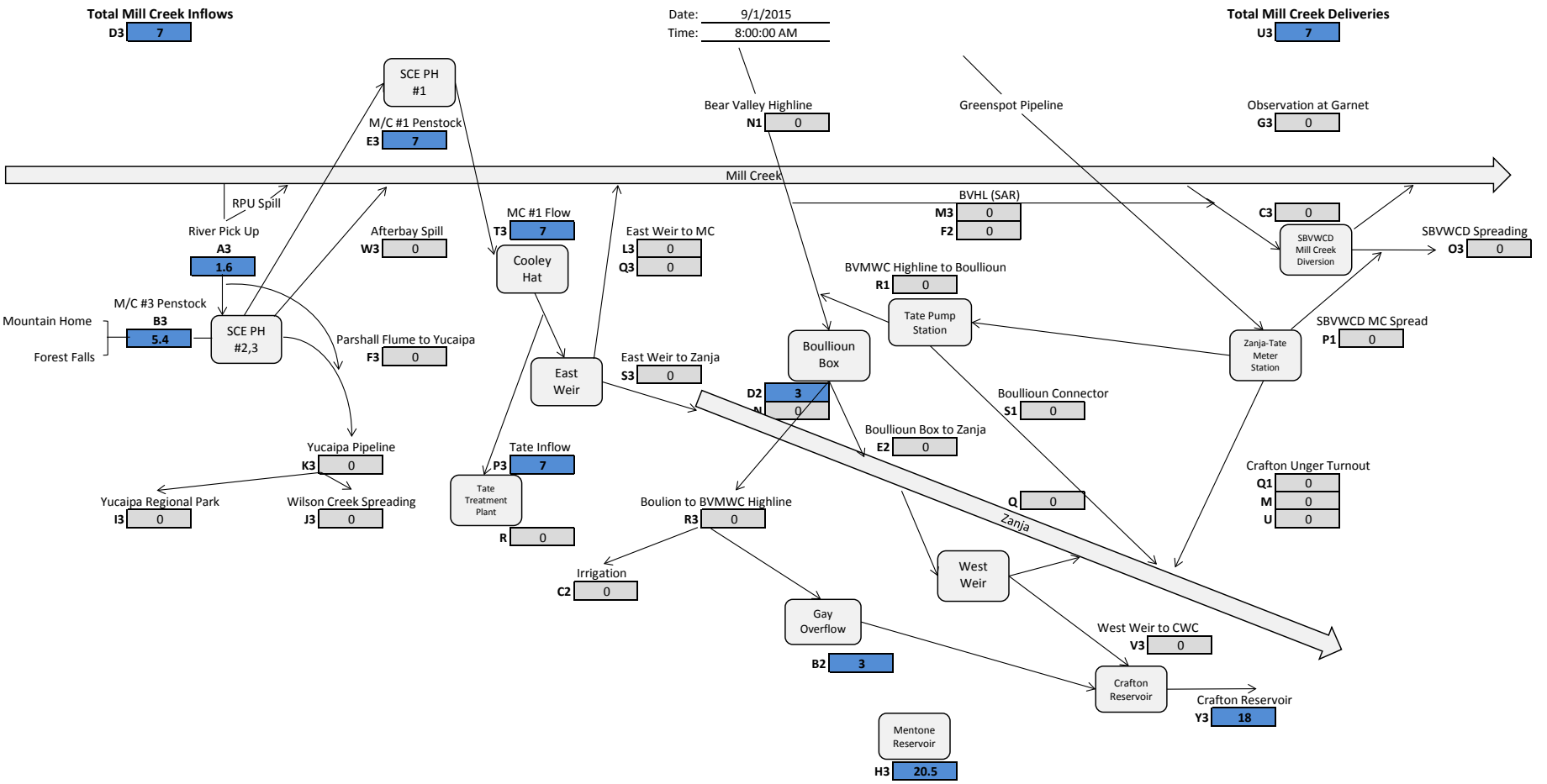
Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	7.0	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)	7.0	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	7.0	v3	Zanja West Weir to CWC Canal	0.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	7.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
								y3	Crafton Reservoir Level (21.3)	18.0	

SBVWCD Recharge

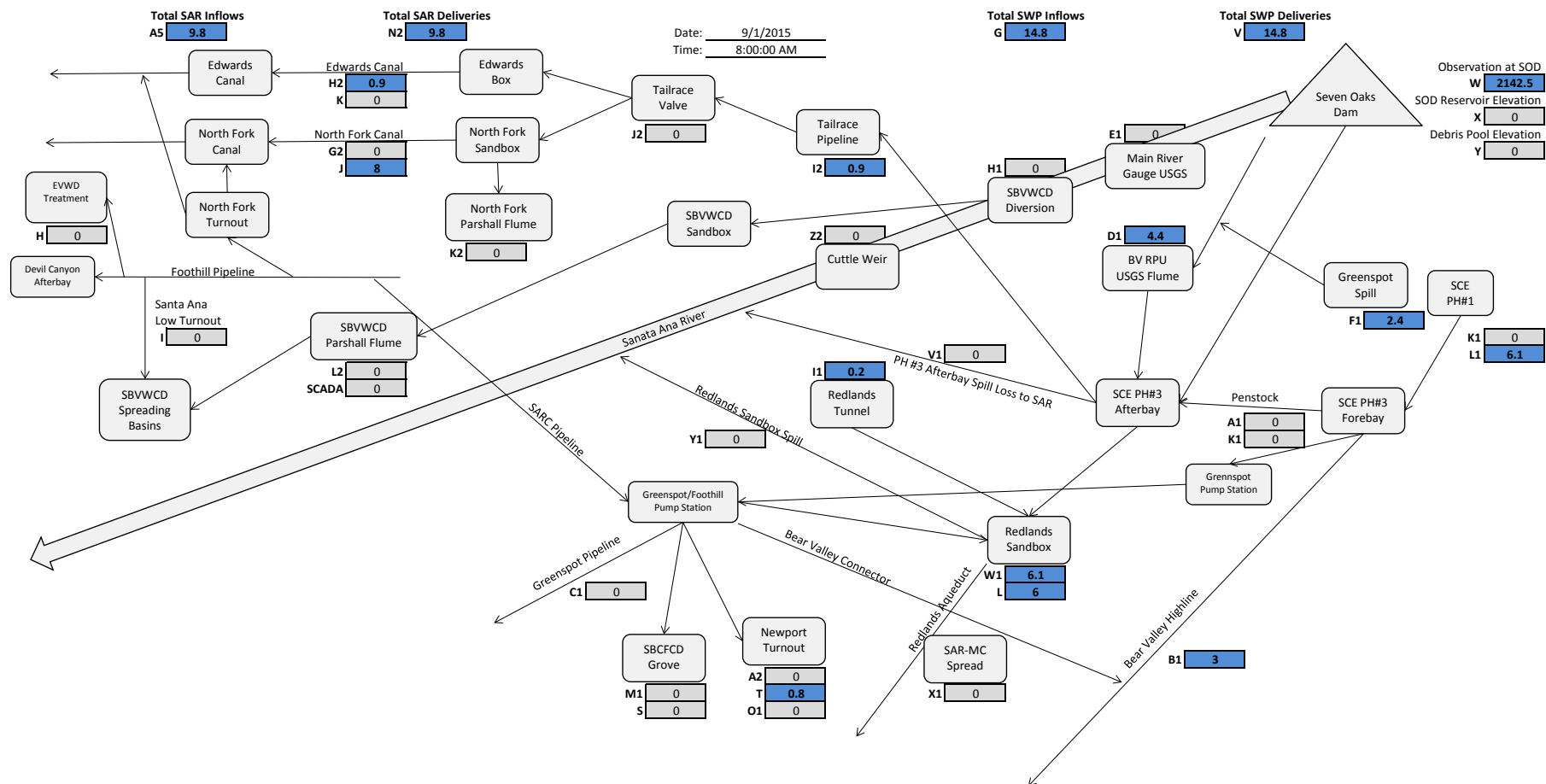
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 9/2/2015

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	8.8
N2	Total SAR Deliveries	8.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.0
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	5.1

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	2143
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	21

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	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.5

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

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Date: 9/2/2015
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	14.5	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	0.5
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	3.0	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	3.0	
J1	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.4	C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam			D1	BVMWC River PU (USGS)		3.4	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline					3.0	F1	Greenspot Spill		2.4
W1	Redlands Aqueduct / Sandbox	5.1	Other			W	Observation at SOD		2143.0	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			J1	Big Bear Lake Release		1.5	Y	Debris Pool Elevation		0.0	A5	Total SAR Inflows	8.8
F1	Greenspot Spill	2.4	L1	SCE SAR AVM (SCADA)		5.8							
D1	BVMWC River PU (USGS)	3.4	X1	SAR-MC Spread (Red. Aqueduct)		0.0							
I1	Redlands Tunnel	0.2											
A1	SAR PH #3 Penstock (calc)	0.0											
K1	PH3# Penstock (SCADA)	0.0											

Santa Ana River Deliveries

Greenspot Pipeline		
M1	SBCFCD Grove	0.0
N1	BVMWC Highline	0.0
O1	Newport for BVMWC	0.0
P1	SBVWCD Mill Creek Spreading	0.0
Q1	Crafton WC Unger Lane	0.0
R1	BVMWC Highline to 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	3.0
		minus
B2	Gay Overflow	3.0
C2	Irrigation	0.0

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	5.1
Y1	Redlands Sandbox Spill	0.0
Z1	Cuttle Weir To River	0.0
B1	BVMWC Highline	3.0
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	0.2
N2	Total SAR Deliveries	8.8

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.6	E3	M/C #1 Penstock Flow	6.4
B3	M/C #3 Penstock	4.8	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.4			

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	4.2	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)	6.4	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	2.2	u3	Total MC Deliveries	6.4	v3	Zanja West Weir to CWC Canal	1.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.4				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
									y3	Crafton Reservoir Level (21.3)	18.0

SBVWCD Recharge

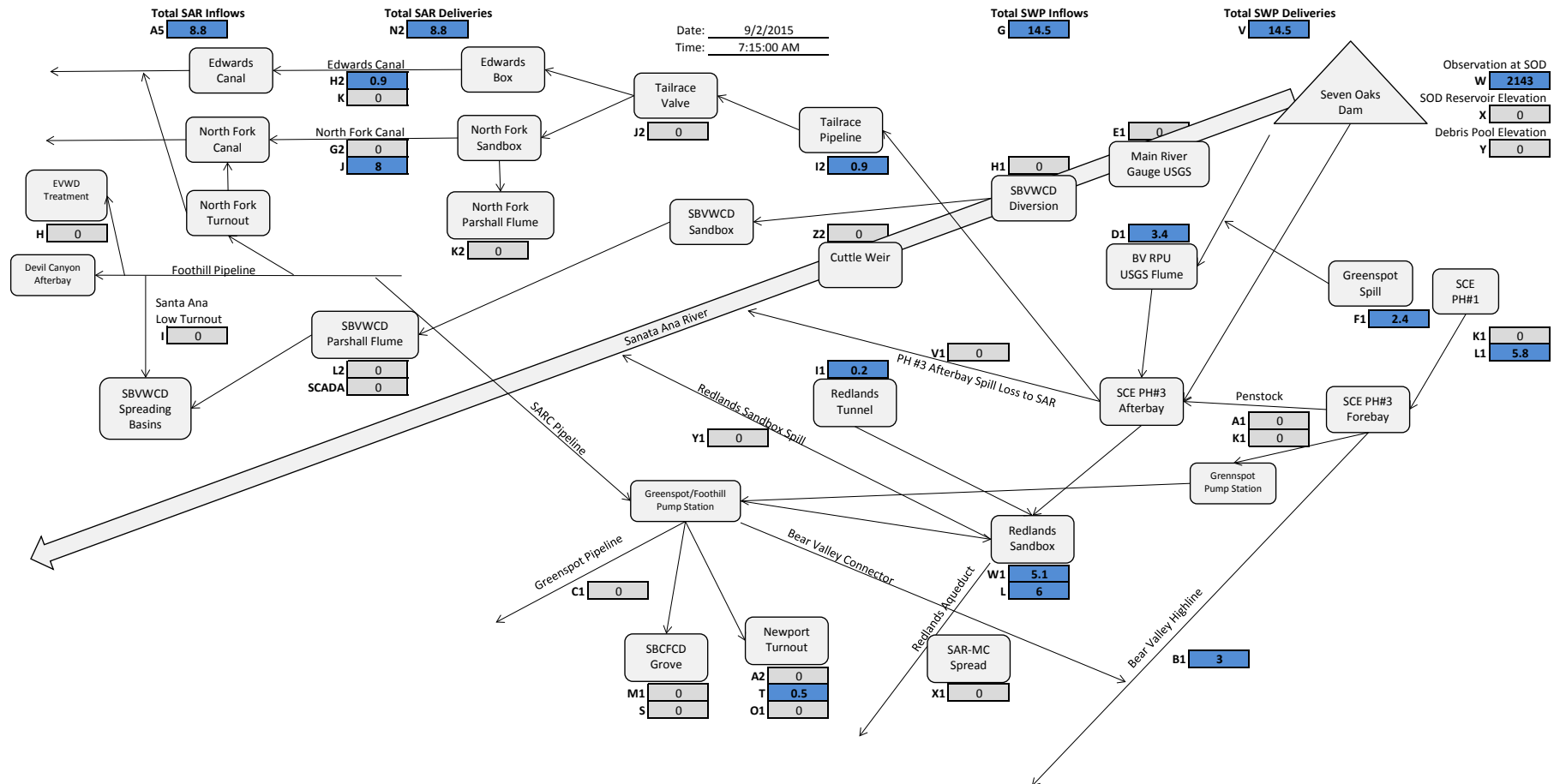
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0		81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD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

The diagram illustrates the Mill Creek water distribution system, showing the flow of water from various sources through a network of pipes, weirs, and reservoirs. Key components and flow rates are as follows:

- Mill Creek:** The main waterway, with flow rates indicated at various points (e.g., 6.4, 4.8, 1.6, 2.2, 4.2, 3, 1, 18, 21).
- Zanja:** A major distribution line, with flow rates indicated (e.g., 3, 1, 18, 21).
- Boulioung Box:** A central distribution point, with flow rates indicated (e.g., 3, 1, 18, 21).
- Tate Pump Station:** A key facility, with flow rates indicated (e.g., 4.2, 3, 1, 18, 21).
- Reservoirs:** Several reservoirs are shown, including Mentone Reservoir (21), Crafton Reservoir (18), and others.
- Spills and Diversions:** Various spill points and diversions are marked, such as RPU Spill, Afterbay Spill, and SBVWCD Mill Creek Diversion.

The diagram uses a color-coded system to highlight specific flow rates: blue boxes for high flow rates (e.g., 6.4, 4.8, 1.6, 2.2, 4.2, 3, 1, 18, 21) and grey boxes for lower flow rates (e.g., 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

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



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/3/2015

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.3
N2	Total SAR Deliveries	9.3
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	3.0
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	5.4

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

Reservoir Levels	Feet
Observation at SOD	2143
Crafton Reservoir Level (21.3)	18.9
Mentone Reservoir Level	21

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.5
V	Total SWP Deliveries	16.5
J	Northfork Canal	10.5
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:

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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	10.5
D	Purchased Water	16.5	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	16.5	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	16.5

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	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	1.1	D2	Boullion Box Weir	3.0	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullion 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	3.0	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	5.4				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.0				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	2.8					
D1	BVMWC River PU (USGS)	3.5					
I1	Redlands Tunnel	0.2					
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	1.1	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 Boullion	0.0	L2	SBVWCD Parshall Flume	0.0	C1	Greenspot Pipeline
S1	Crafton WC Boullion	0.0		Parshall Flume (SCADA)	0.0	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0	I2	Tailrace Pipeline	1.1	L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.6
B3	M/C #3 Penstock	5.1
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.7

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

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.2	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boullion to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.5	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	6.7	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

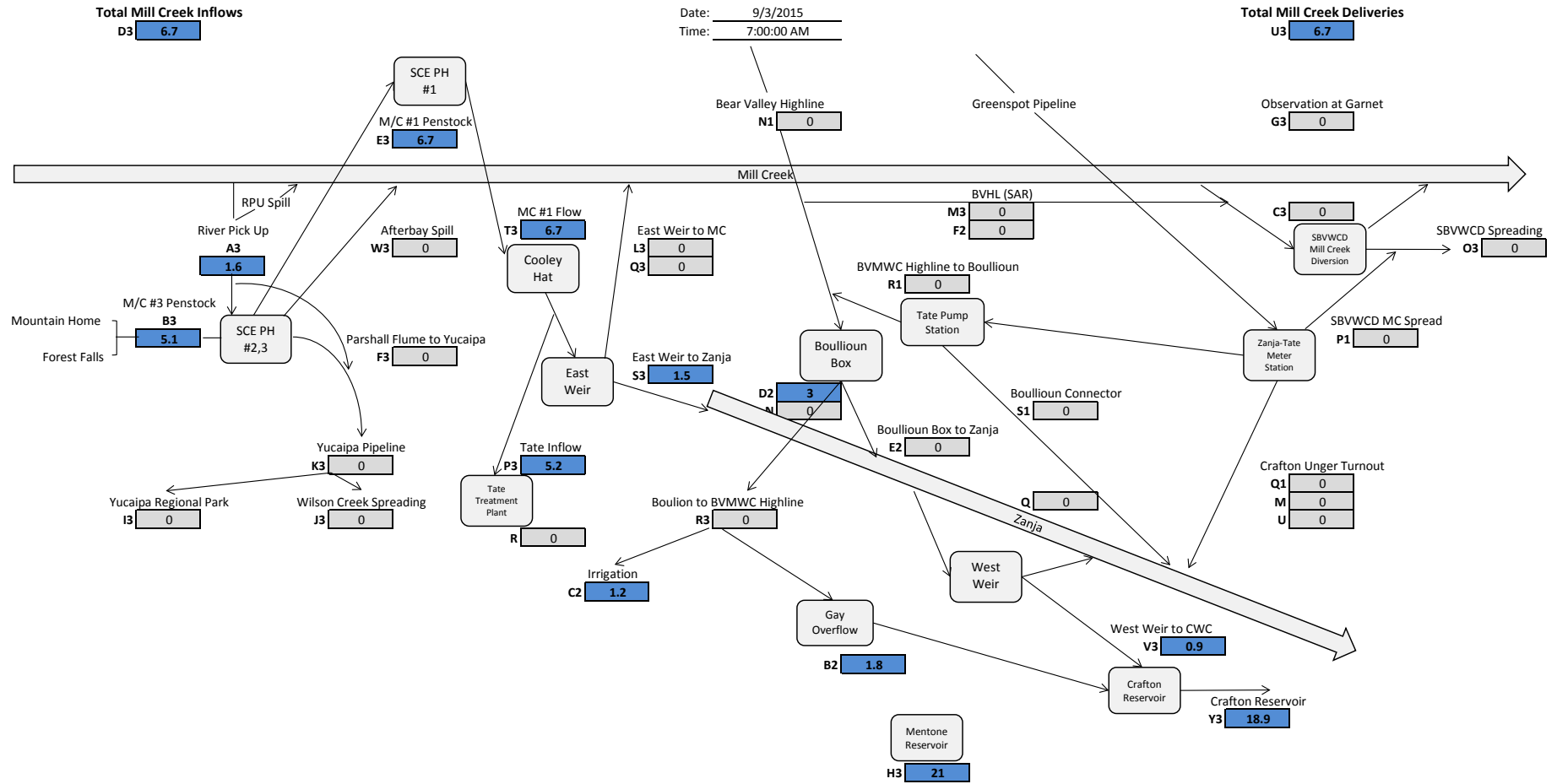
SBVWCD MC Spreading	
C3	SBVWCD Mill Creek Diversion
L3	East Weir (MC)
M3	BVHL (SAR)
X1	SAR-MC Spread (Red. Aqueduct)
O3	SBVWCD MC Spreading

SBVWCD Recharge

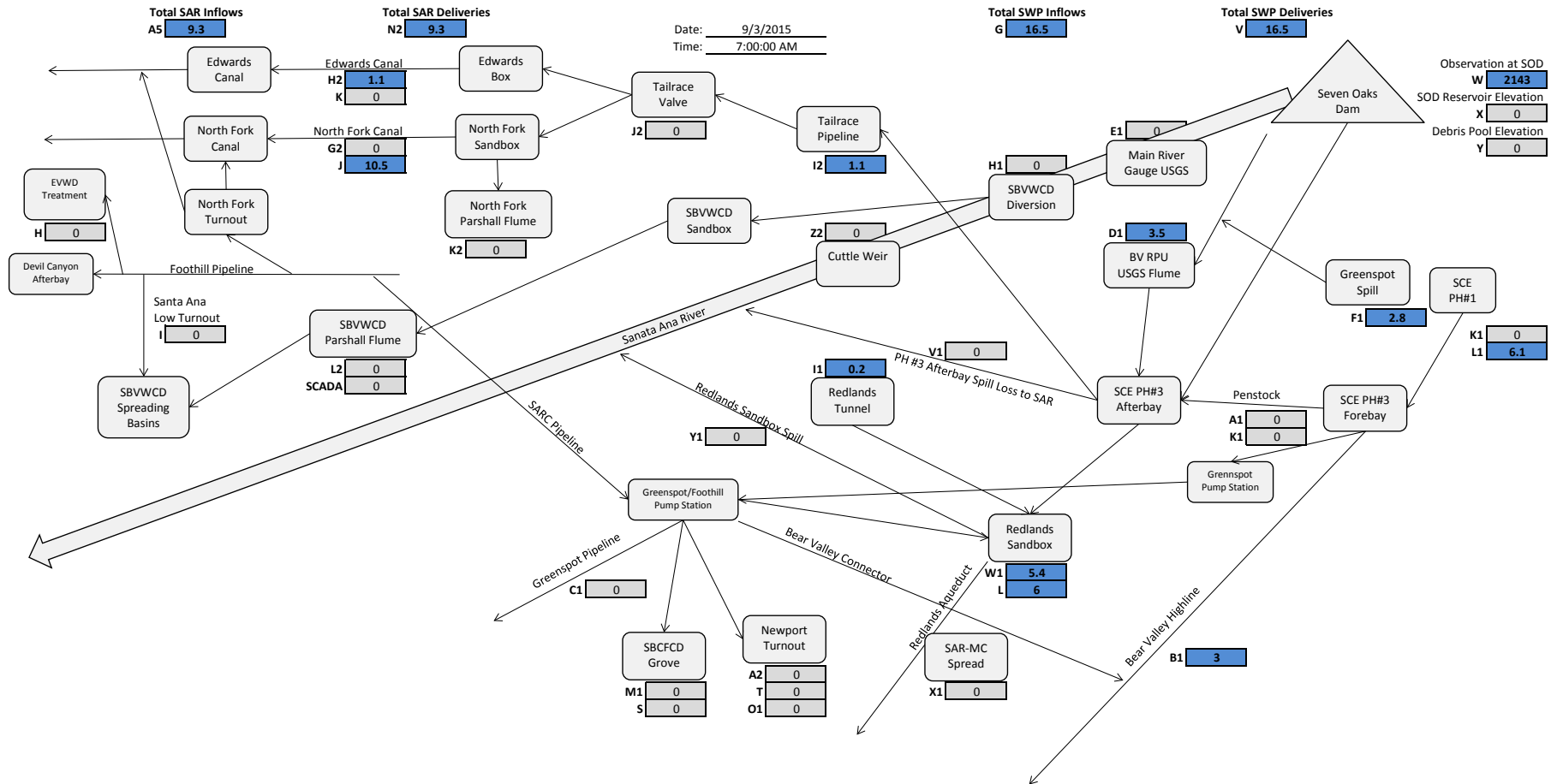
Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0	714
	SBVMWD	SWP					
	WMWD	SWP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

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: 9/4/2015

Time: 7:30:00 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	3.0
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	6.5

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

Reservoir Levels	Feet
Observation at SOD	2143
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	21.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.2
V	Total SWP Deliveries	17.2
J	Northfork Canal	10.5
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	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: 9/4/2015
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	10.5	R	Tate Treatment Plant	0.0
D	Purchased Water	17.2	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	0.7
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	17.2	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	17.2

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)	4.4	A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	3.0	E1	Main River Gage (USGS)	0.0	B1	BVMWC Highline	3.0	
J1	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0	Seven Oaks Dam w Observation at SOD 2143.0 x SOD Reservoir Elevation 0.0 y Debris Pool Elevation 0.0						
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline								3.0
W1	Redlands Aqueduct / Sandbox	6.5										
Y1	Redlands Sandbox Spill	0.0										
minus			Other									
F1	Greenspot Spill	2.8	J1	Big Bear Lake Release	1.5							
D1	BVMWC River PU (USGS)	4.4	L1	SCE SAR AVM (SCADA)	6.1							
I1	Redlands Tunnel	0.2	X1	SAR-MC Spread (Red. Aqueduct)	0.0							
A1	SAR PH #3 Penstock (calc)		0.0									
K1	PH3# Penstock (SCADA)		0.0									
Total SAR Inflows A5 Total SAR Inflows 10.2												

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	3.0
	minus	
B2	Gay Overflow	1.4
C2	Irrigation	1.6

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	3.0
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	0.2
N2	Total SAR Deliveries	10.2

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	1.7	E3	M/C #1 Penstock Flow	6.7
B3	M/C #3 Penstock	5.0	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

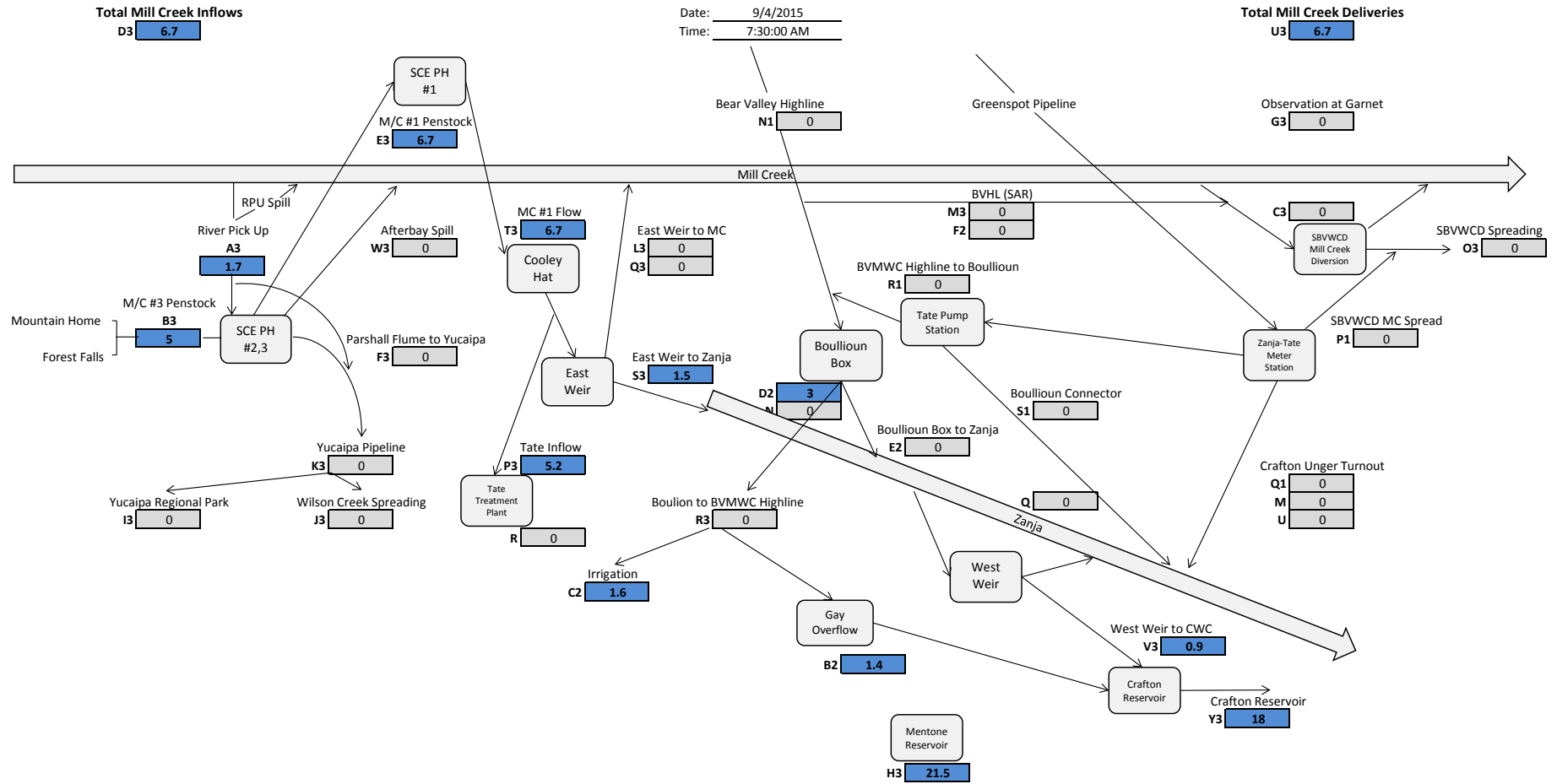
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
j3	Yucaipa Regional Park	0.0	p3	Tate Inflow	5.2	c3	SBVWCD Mill Creek Diversion	0.0	h3	Mentone Reservoir Level	21.5
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	6.7	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.5	u3	Total MC Deliveries	6.7	v3	Zanja West Weir to CWC Canal	0.9
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	6.7				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
								y3	Crafton Reservoir Level (21.3)	18.0	

SBVWCD Recharge

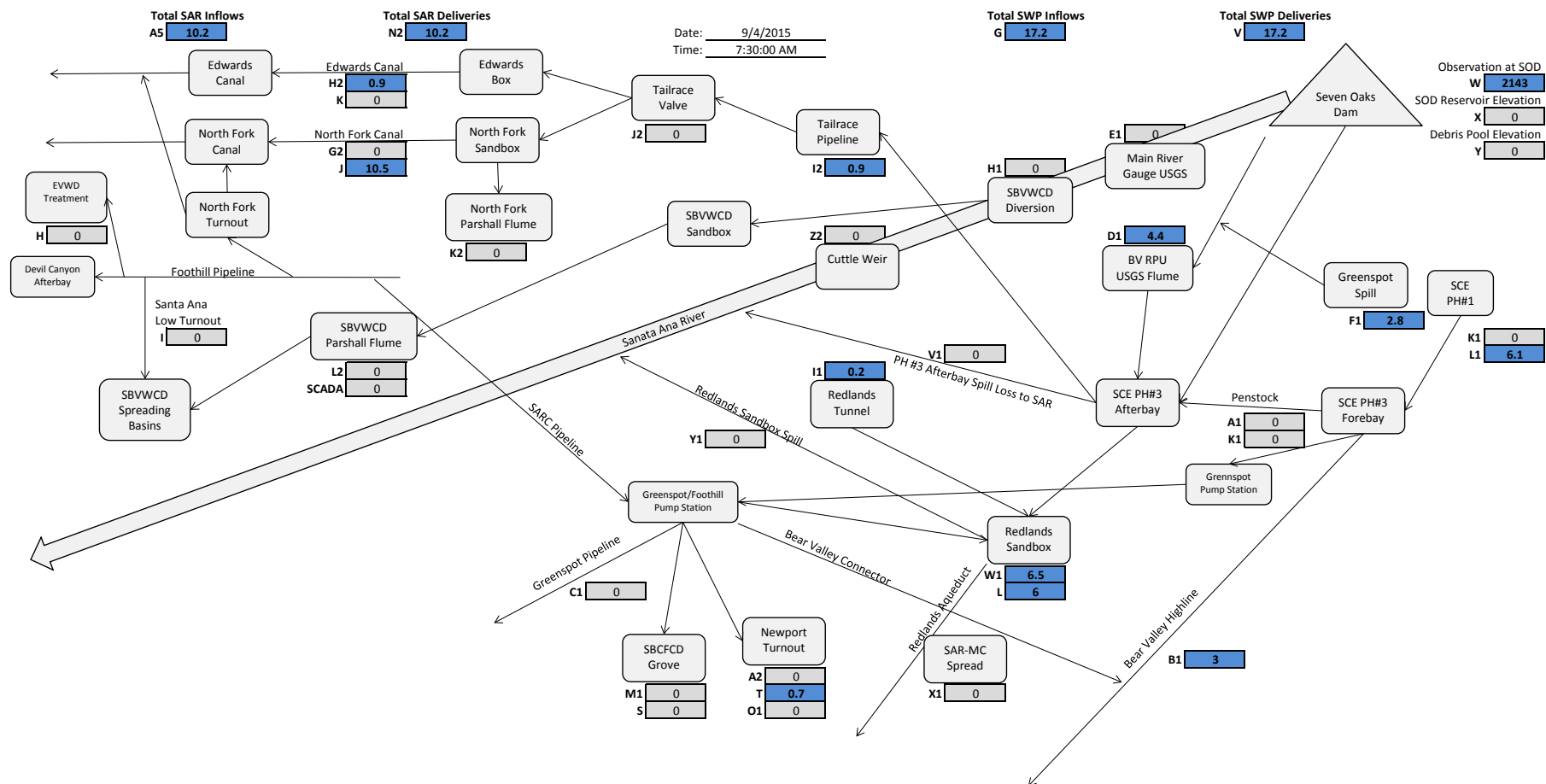
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	981.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 9/8/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	9.0
N2	Total SAR Deliveries	9.0
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	6.1

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.2
V	Total SWP Deliveries	17.2
J	Northfork Canal	10.6
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

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

Reservoir Levels	Feet
Observation at SOD	2135.7
Crafton Reservoir Level (21.3)	18
Mentone Reservoir Level	21

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: 9/8/2015
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	10.6
D	Purchased Water	17.2	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	17.2	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	0.6
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.2

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	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	2.9	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	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	2.9	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	6.1				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.3				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	2.5					
D1	BVMWC River PU (USGS)	3.6					
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	0.0	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 to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	1.3
B3	M/C #3 Penstock	5.4
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	6.7

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

Mill Creek Deliveries

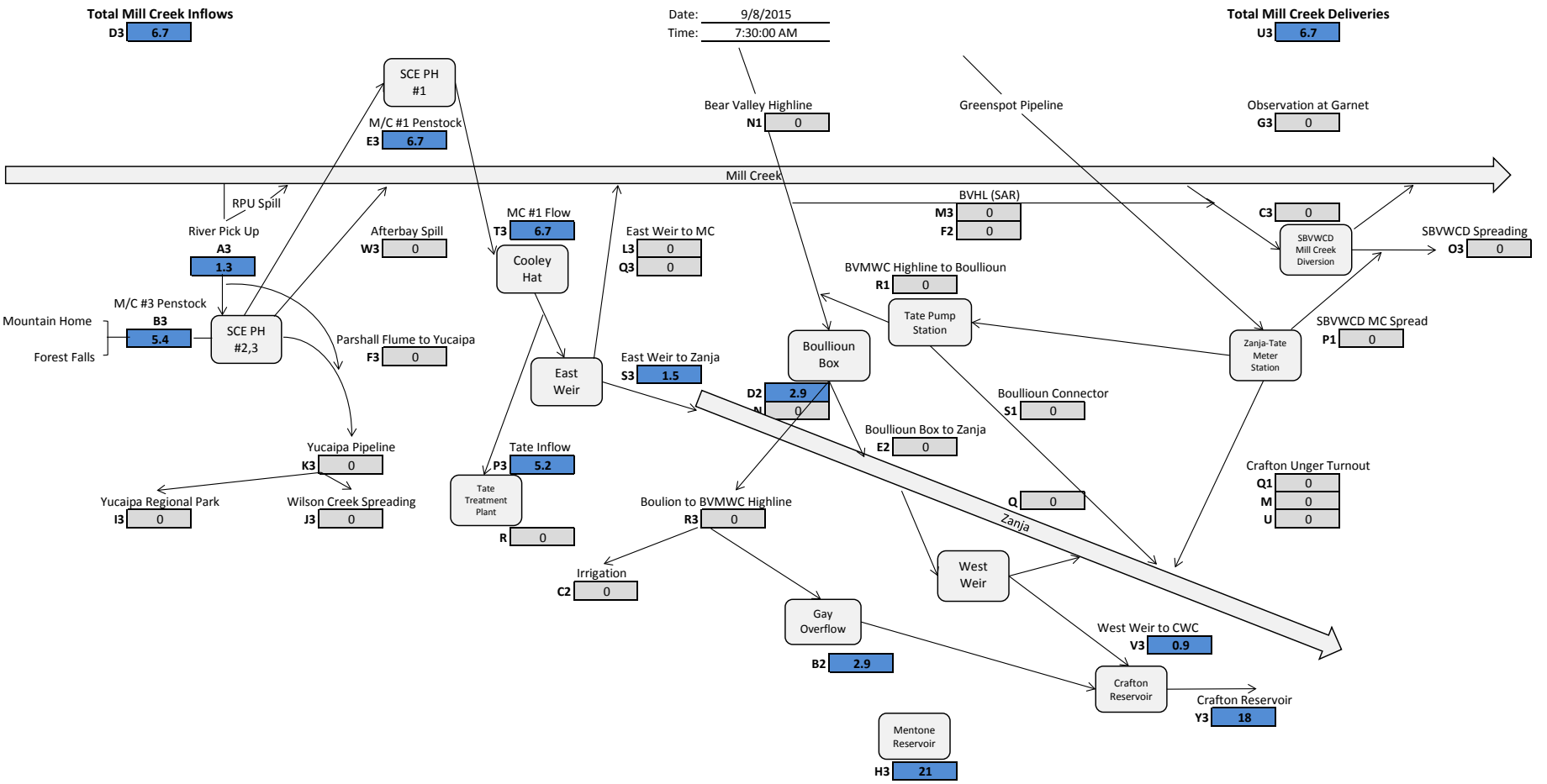
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	5.2	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boullioun to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.5	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	6.7	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

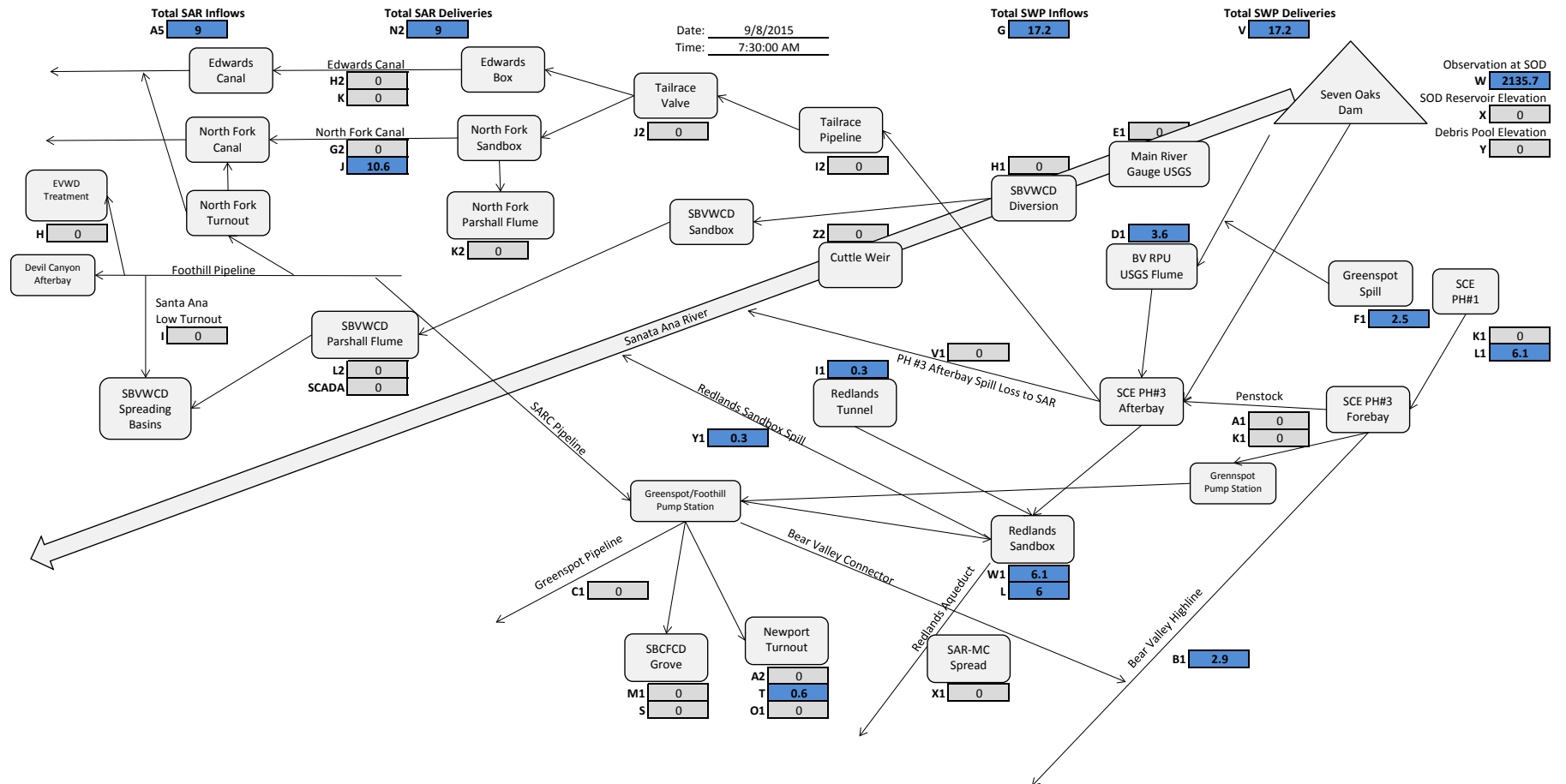
SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	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
	Mill Creek Passing Garnet	0		Share of Lost Flow	0		Estimate Mill Creek Recharge
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Recharge

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: 9/9/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	17.0
N2	Total SAR Deliveries	17.0
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	13.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	5.0
U3	Total MC Deliveries	5.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	5.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2135.7
Crafton Reservoir Level (21.3)	17
Mentone Reservoir Level	20.8

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.1
V	Total SWP Deliveries	17.1
J	Northfork Canal	10.5
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	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	988	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: 9/9/2015
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	10.5
D	Purchased Water	17.1	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	17.1	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	17.1

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	Boulliou Box Weir	3.1	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	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	3.1	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	13.0				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.3				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	9.3					
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	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				B1	BVMWC Highline
R1	BVMWC Highline to Boulliou	0.0	I2	Tailrace Pipeline	0.9	C1	Greenspot Pipeline
S1	Crafton WC Boulliou	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 to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

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

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

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	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	0.0	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	0.0	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

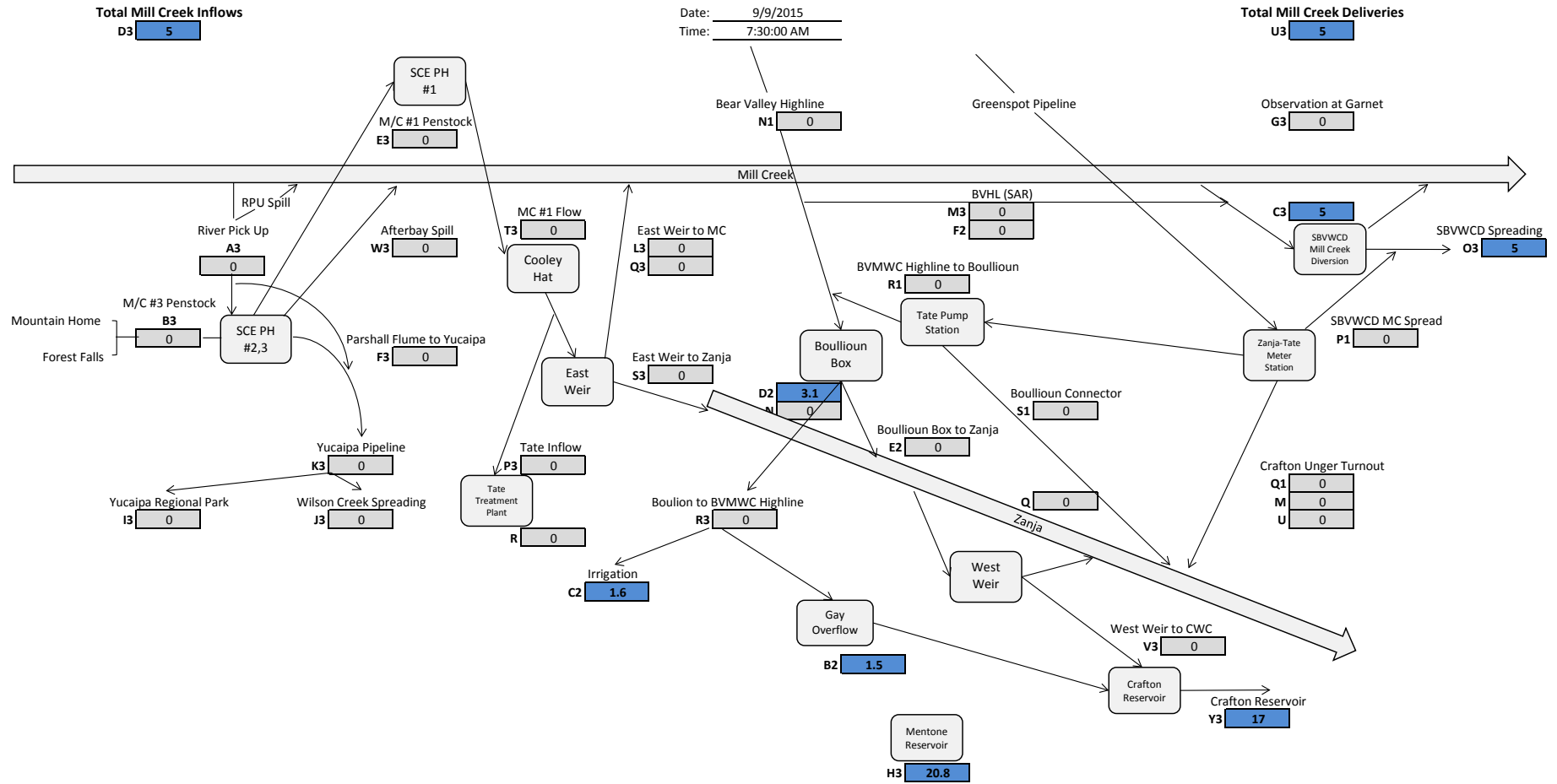
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	5.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	5.0

SBVWCD Recharge

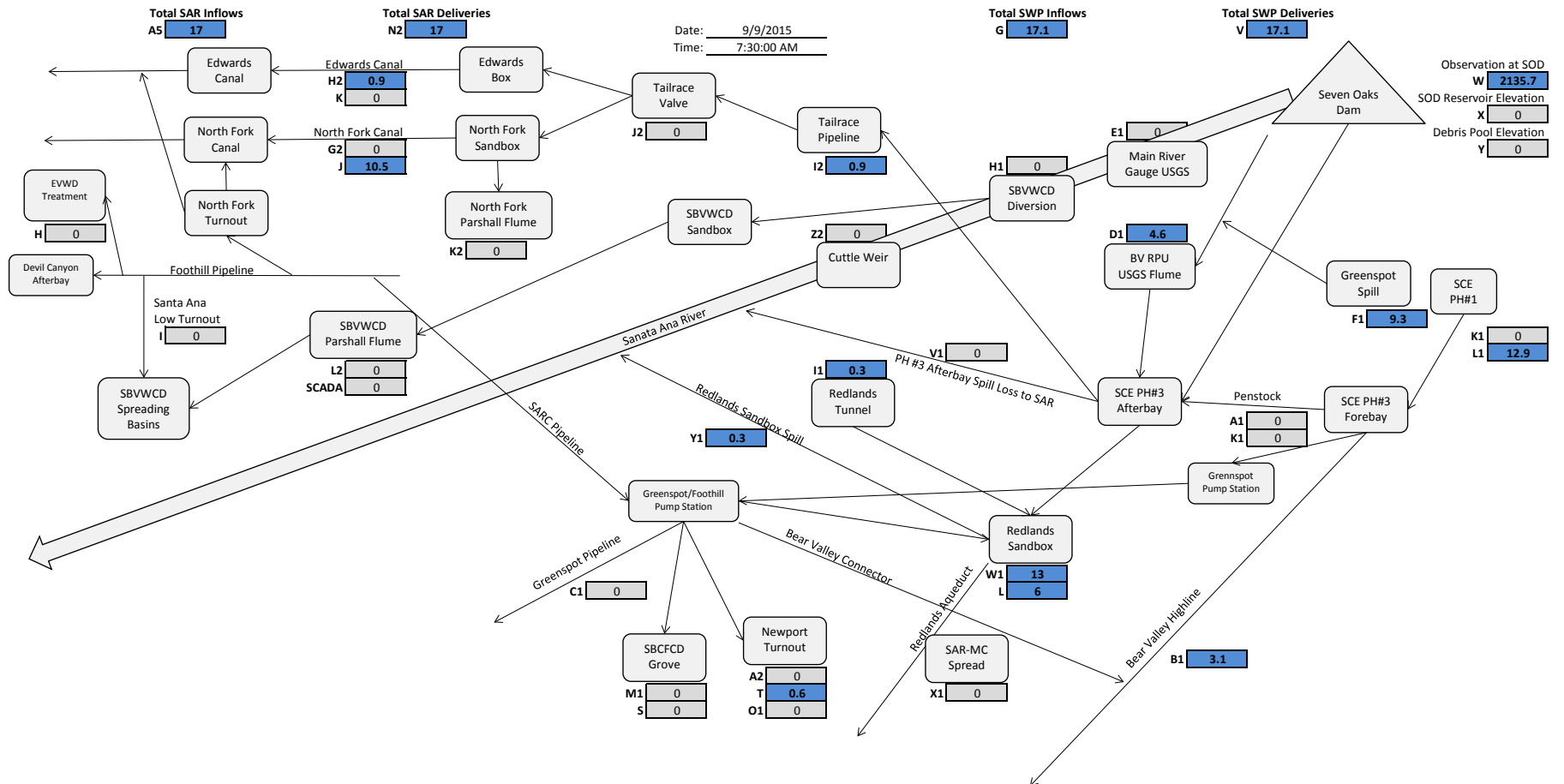
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,719.6	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	6.5	K4	987.7	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



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



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/10/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	3.0
N2	Total SAR Deliveries	3.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVMWD Parshall Flume	3.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.3

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	5.0
U3	Total MC Deliveries	5.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	5.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2135.7
Crafton Reservoir Level (21.3)	16
Mentone Reservoir Level	20.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.6
V	Total SWP Deliveries	16.6
J	Northfork Canal	10.6
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	2,725	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	996	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: 9/10/2015
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	10.6
D	Purchased Water	16.6	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	16.6	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	16.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows					
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		3.0		A1	SAR PH #3 Penstock (calc)	0.0	
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)				B1	BVMWC Highline	0.0	
J2	Tailrace Valve to Parshall Flume	3.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		3.0		C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0							D1	BVMWC River PU (USGS)	3.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 0.0								F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.3										E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.0										D1a	BV Pick-Up gated	☐
		minus										A5	Total SAR Inflows	3.0
F1	Greenspot Spill	0.0												
D1	BVMWC River PU (USGS)	3.0												
I1	Redlands Tunnel	0.3												
A1	SAR PH #3 Penstock (calc) 0.0													
K1	PH3# Penstock (SCADA) 0.0													

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

w	Observation at SOD	2135.7
x	SOD Reservoir Elevation	0.0
y	Debris Pool Elevation	0.0

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	3.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	3.0
	Parshall Flume (SCADA)	0.0

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

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.3
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVWCD Parshall Flume	3.0
		minus
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	3.0

Mill Creek Inflows

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

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

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	0.0	c3	SBVWCD Mill Creek Diversion	5.0	h3	Mentone Reservoir Level	20.2
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	0.0	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	5.0	v3	Zanja West Weir to CWC Canal	0.0
			t3	MC #1 Flow (Cooley Hat)	0.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.8
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	16.0

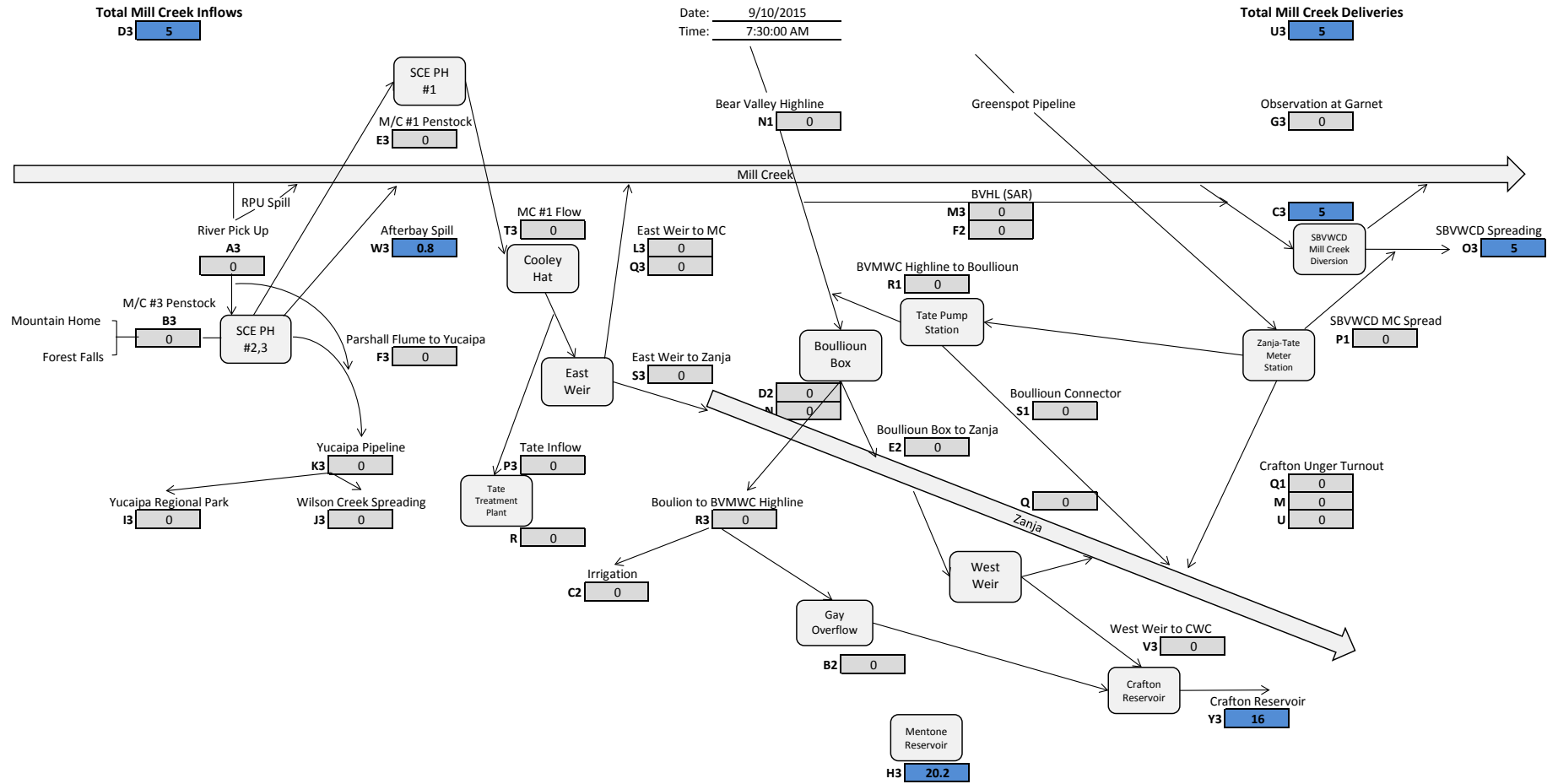
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	5.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	5.0

SBVWCD Recharge

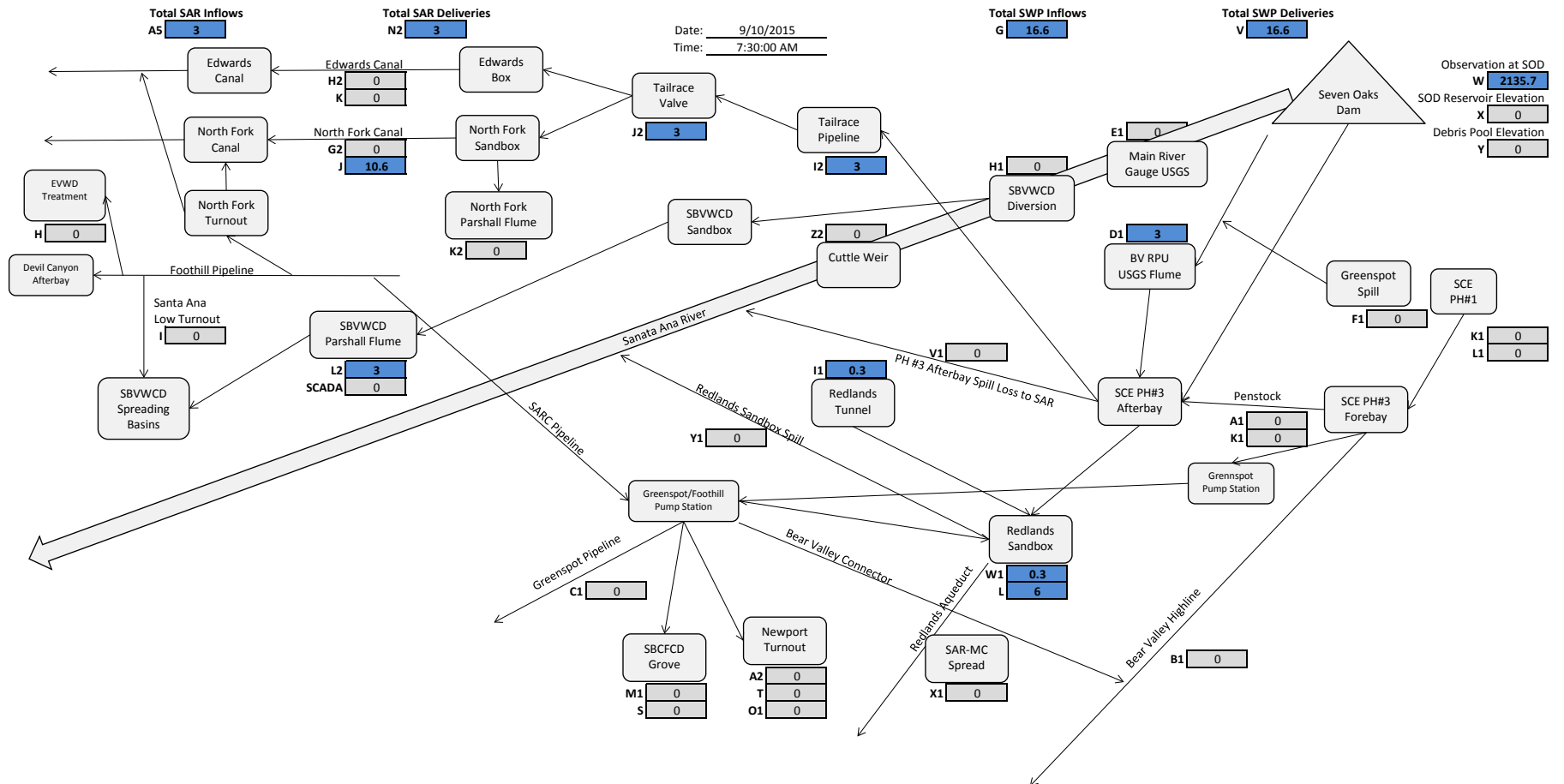
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	5.5	I4	2,725.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	8.7	K4	996.4	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	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: 9/11/2015

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	3.0
N2	Total SAR Deliveries	3.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVMWD Parshall Flume	3.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.3

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.1
V	Total SWP Deliveries	17.1
J	Northfork Canal	10.5
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.6

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	3.0
U3	Total MC Deliveries	3.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2136.2
Crafton Reservoir Level (21.3)	14
Mentone Reservoir Level	20

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	2,731	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,002	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: 9/11/2015
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	10.5
D	Purchased Water	17.1	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	17.1	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	17.1

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	0.0	D2	Boulliou Box Weir	0.0	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	3.0	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	0.0	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	0.3				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.0				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	0.0					
D1	BVMWC River PU (USGS)	3.0					
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	0.0	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	3.0	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	3.0	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 to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	3.0
D3	Total MC Inflows	3.0

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

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	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	0.0	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	0.0	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

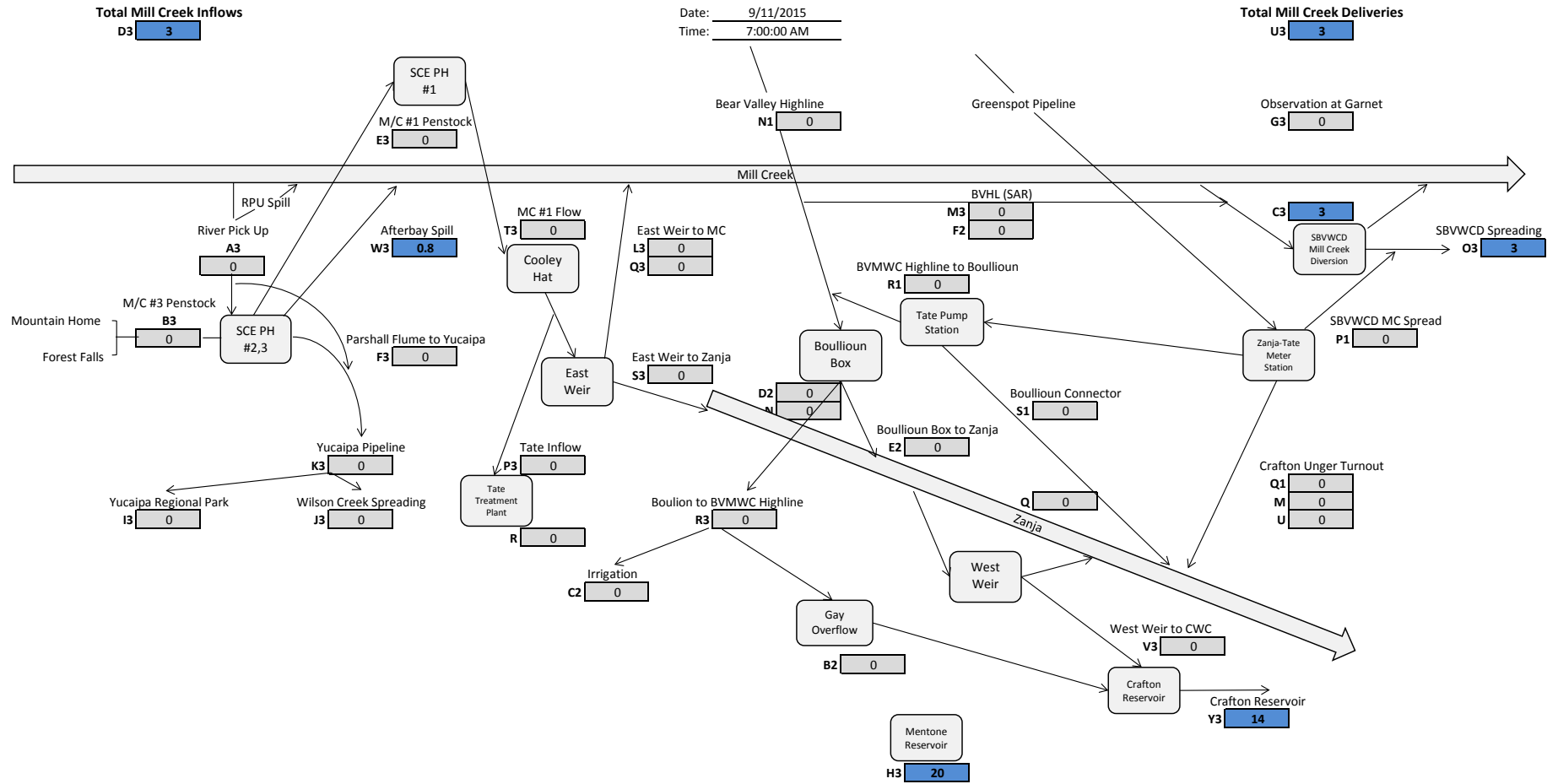
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	3.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	3.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	6.0	I4	2,731.1	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	6.0	K4	1,002.3	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
	Mill Creek Passing Garnet	0		Share of Lost Flow	0		Estimate Mill Creek Recharge
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Recharge

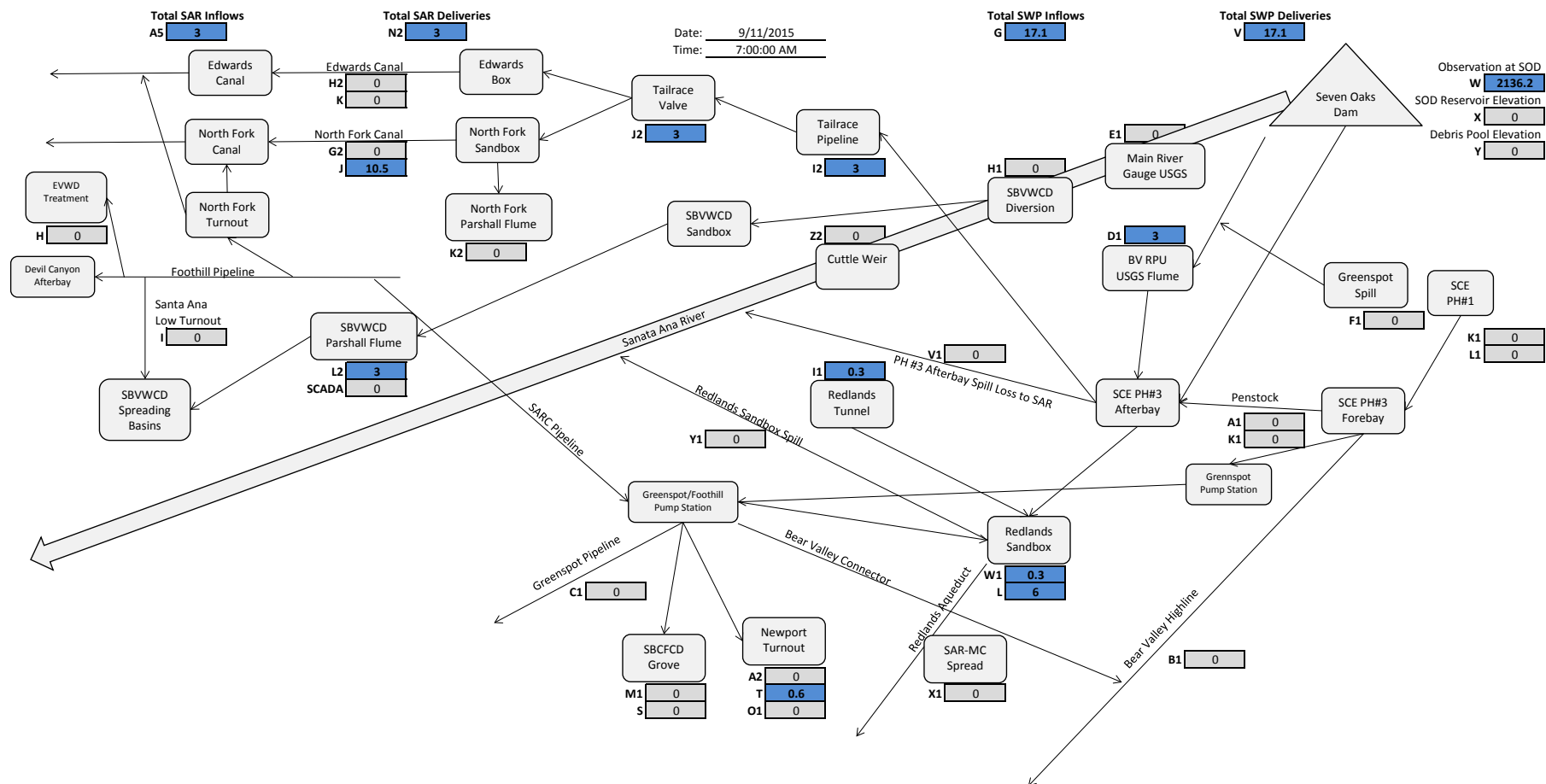
Santa Ana River - Mill Creek Cooperative Water Project

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: 9/14/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	3.0
N2	Total SAR Deliveries	3.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVMWD Parshall Flume	3.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.3

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	3.0
U3	Total MC Deliveries	3.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	16
Mentone Reservoir Level	20

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.3
V	Total SWP Deliveries	17.3
J	Northfork Canal	10.6
L	Redlands Aqueduct	5.9
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,747	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,020	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: 9/14/2015
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	10.6
D	Purchased Water	17.3	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	5.9
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	17.3	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	0.8
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.3

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows	
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	3.0	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	0.0	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	0.3				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.0				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	0.0					
D1	BVMWC River PU (USGS)	3.0					
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	0.0	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	3.0	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	3.0	C1	Greenspot Pipeline
S1	Crafton WC Boulliou	0.0		Parshall Flume (SCADA)	1.1	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	3.0
D3	Total MC Inflows	3.0

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

Mill Creek Deliveries

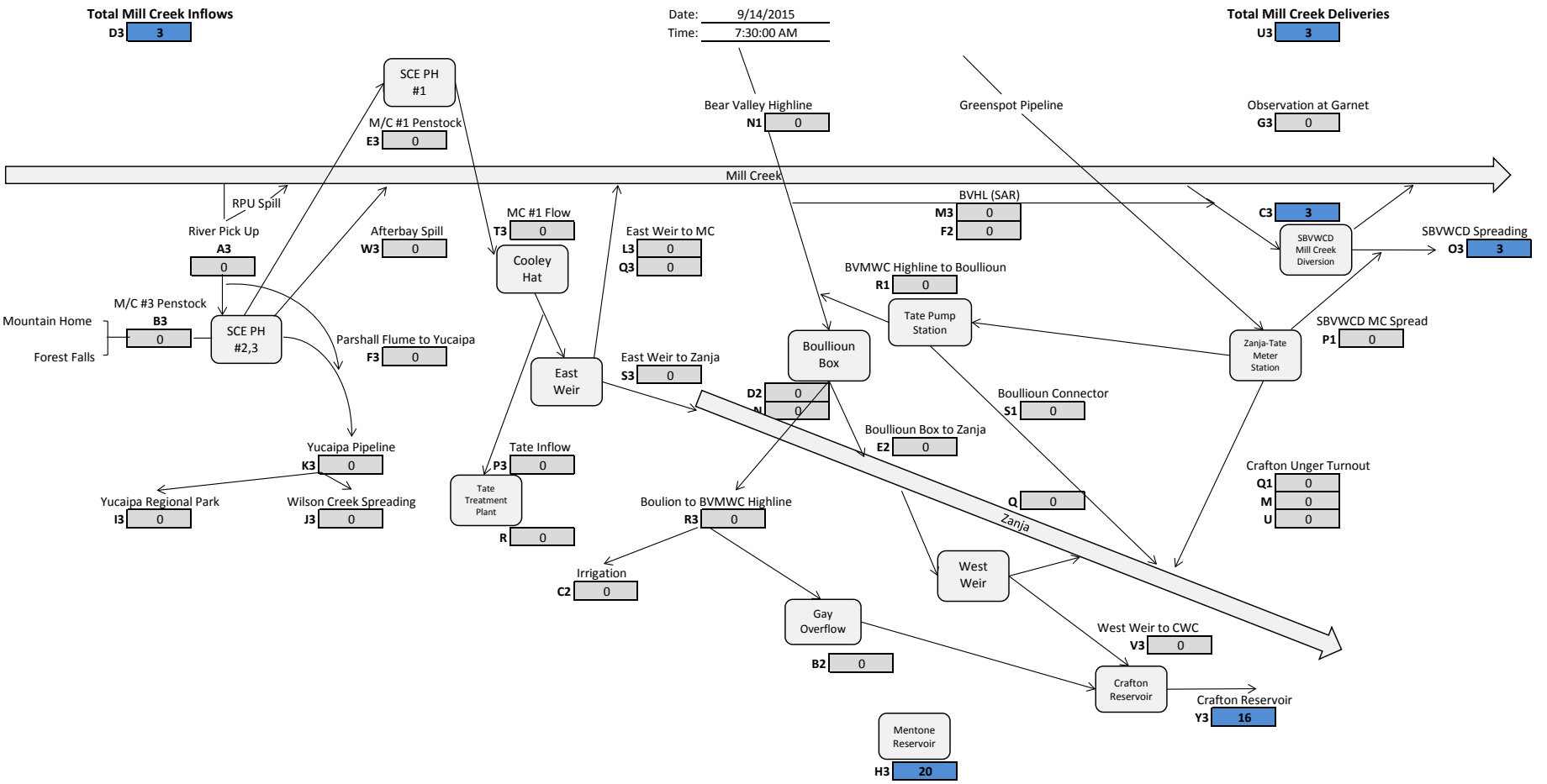
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boulliou to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	0.0	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

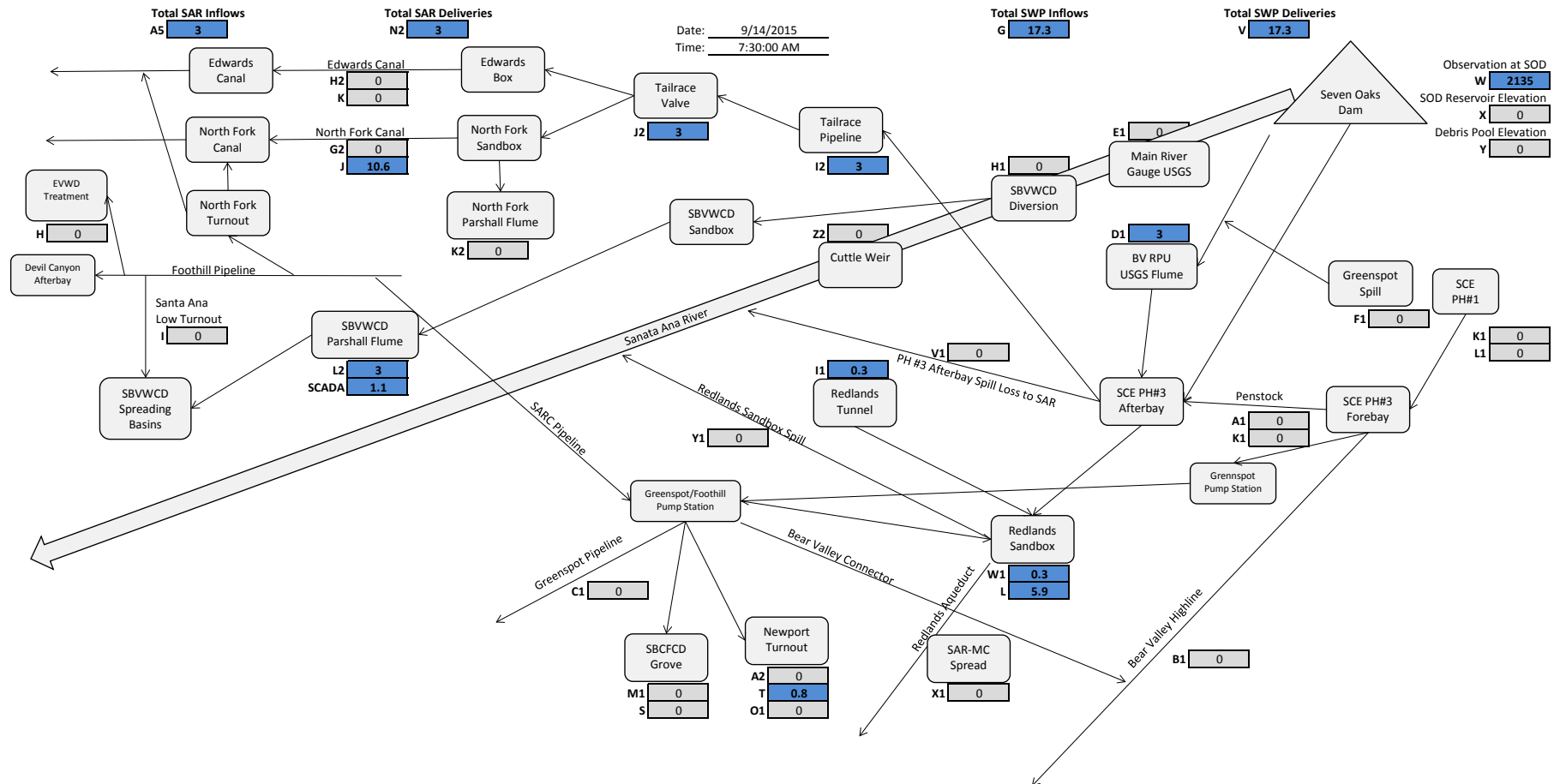
SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	15.9	I4	2,746.9	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	17.9	K4	1,020.2	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
	Mill Creek Passing Garnet	0		Share of Lost Flow	0		Estimate Mill Creek Recharge
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Recharge

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: 9/15/2015

Time: 6:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	6.0
N2	Total SAR Deliveries	6.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.0
L2	SBVMWD Parshall Flume	6.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.1

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	3.0
U3	Total MC Deliveries	3.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	11.5
Mentone Reservoir Level	18.8

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.7
V	Total SWP Deliveries	17.7
J	Northfork Canal	10.6
L	Redlands Aqueduct	6.0
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,753	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,026	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: 9/15/2015
Time: 6:30:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	0.0	H	EVWD Treatment Plant	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0
C	Exchange Water	0.0	J	Northfork Canal	10.6
D	Purchased Water	17.7	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	17.7	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	1.1
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.7

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	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	0.0	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	6.0	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	0.0	F1	Greenspot Spill
W1	Redlands Aqueduct / Sandbox	0.1				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.2				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	0.0					
D1	BVMWC River PU (USGS)	6.0					
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	0.0	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	6.0	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	6.0	C1	Greenspot Pipeline
S1	Crafton WC Boulliou	0.0		Parshall Flume (SCADA)	1.1	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	3.0
D3	Total MC Inflows	3.0

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

Mill Creek Deliveries

Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	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	0.0	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	0.0	W3	Mill Creek PH #2,3 Afterbay Spill
						Y3	Crafton Reservoir Level (21.3)

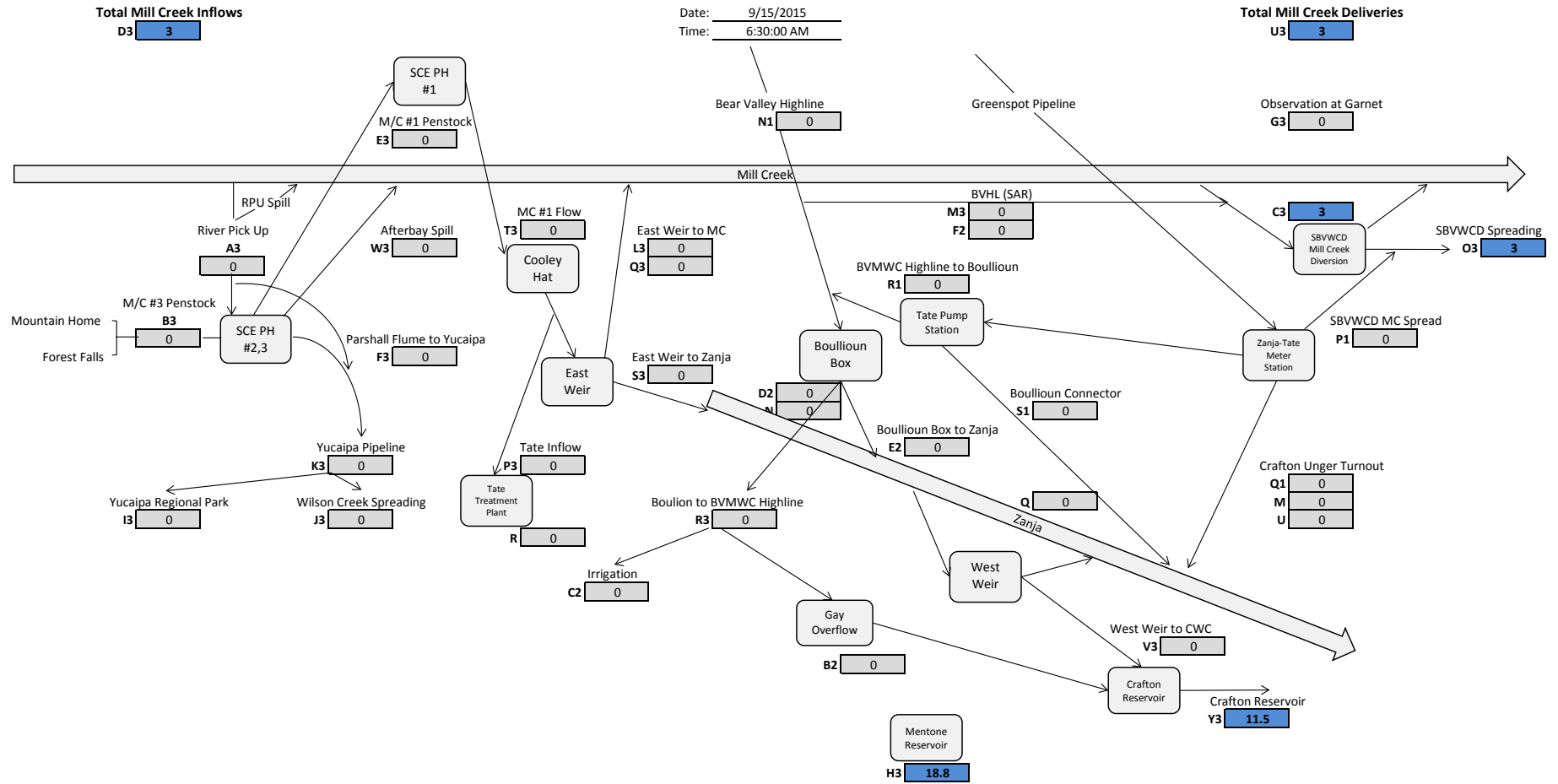
SBVWCD MC Spreading	
C3	SBVWCD Mill Creek Diversion
L3	East Weir (MC)
M3	BVHL (SAR)
X1	SAR-MC Spread (Red. Aqueduct)
O3	SBVWCD MC Spreading

SBVWCD Recharge

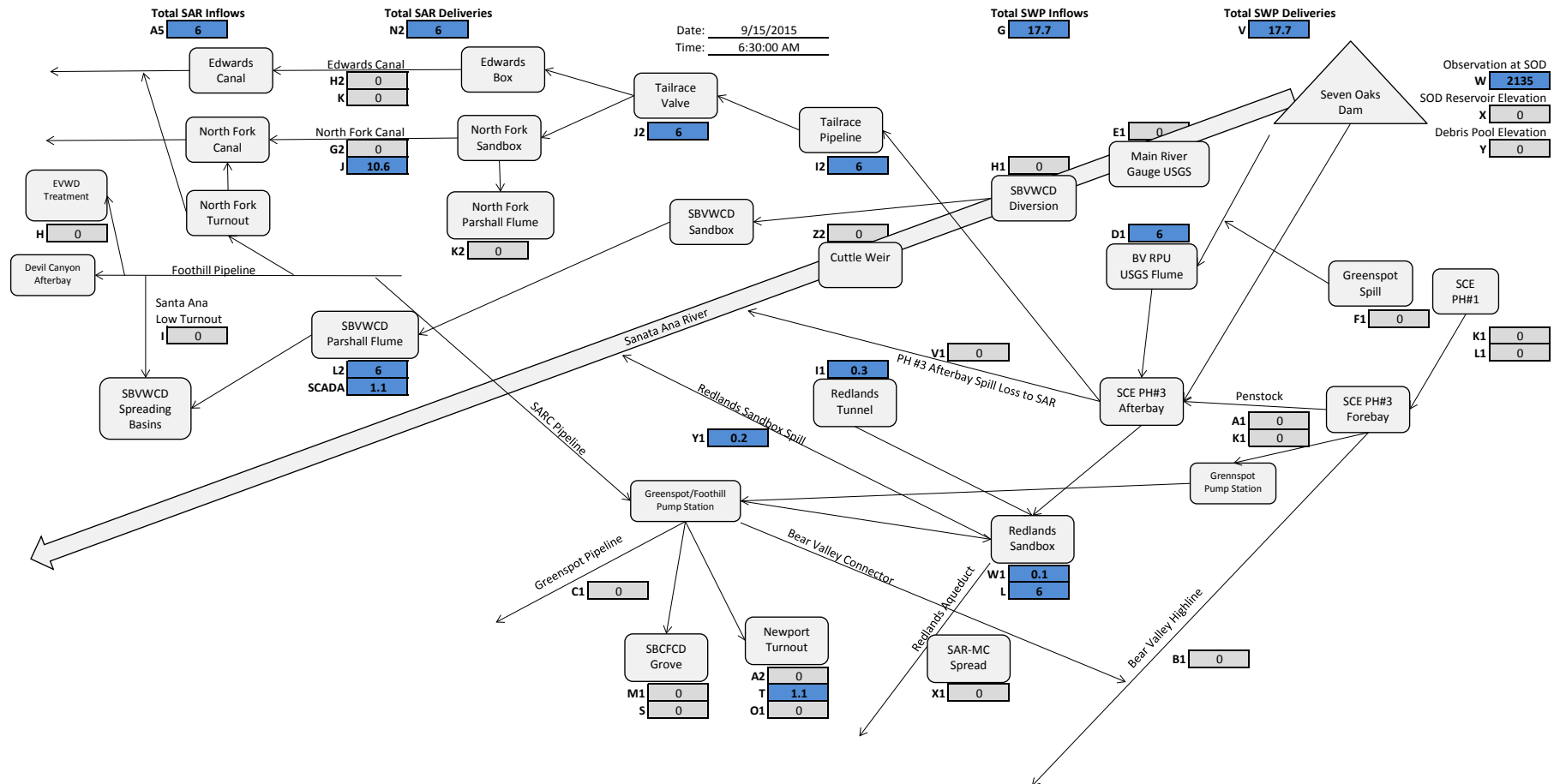
Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	6.3	I4	2,753.2	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	6.0	K4	1,026.1	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0	714
	SBVMWD	SWP					
	WMWD	SWP					
	SAR Passing Cuttle Weir	0		Share of Lost Flow	0		Estimate SAR Recharge
	Mill Creek Passing Garnet	0		Share of Lost Flow	0		Estimate Mill Creek Recharge
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Recharge

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



Santa Ana Stations



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/16/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	29.0
N2	Total SAR Deliveries	29.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.0
L2	SBVMWD Parshall Flume	29.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.1

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

Reservoir Levels	Feet
Observation at SOD	2135
Crafton Reservoir Level (21.3)	11.5
Mentone Reservoir Level	19

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.6
V	Total SWP Deliveries	16.6
J	Northfork Canal	10.6
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	8.0
Total River Recharge	8.0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	2,774	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,039	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: 9/16/2015
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	10.6
D	Purchased Water	16.6	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	16.6	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	0.0
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	16.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		6.0	A1	SAR PH #3 Penstock (calc)	0.0
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)		23.0	B1	BVMWC Highline	0.0
J2	Tailrace Valve to Parshall Flume	6.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		29.0	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 0.0						F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.1				Seven Oaks Dam				E1	Main River Gage (USGS)	23.0
Y1	Redlands Sandbox Spill	0.2				w	Observation at SOD		2135.0	D1a	BV Pick-Up gated	☐
minus						x	SOD Reservoir Elevation		0.0	A5	Total SAR Inflows	29.0
F1	Greenspot Spill	0.0	J1	Big Bear Lake Release 1.5		y	Debris Pool Elevation		0.0			
D1	BVMWC River PU (USGS)	6.0	L1	SCE SAR AVM (SCADA) 0.0								
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct) 0.0								
A1	SAR PH #3 Penstock (calc) 0.0											
K1	PH3# Penstock (SCADA) 0.0											

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	6.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	6.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	6.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	23.0
L2	SBVWCD Parshall Flume	29.0
	Parshall Flume (SCADA)	28.1

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

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.1
Y1	Redlands Sandbox Spill	0.2
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.0
L2	SBVWCD Parshall Flume	29.0
		minus
J2	Tailrace Valve to Parshall Flume	6.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	29.0

Mill Creek Inflows

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

Other		
E3	M/C #1 Penstock Flow	0.0
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	8.0

Mill Creek Deliveries

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

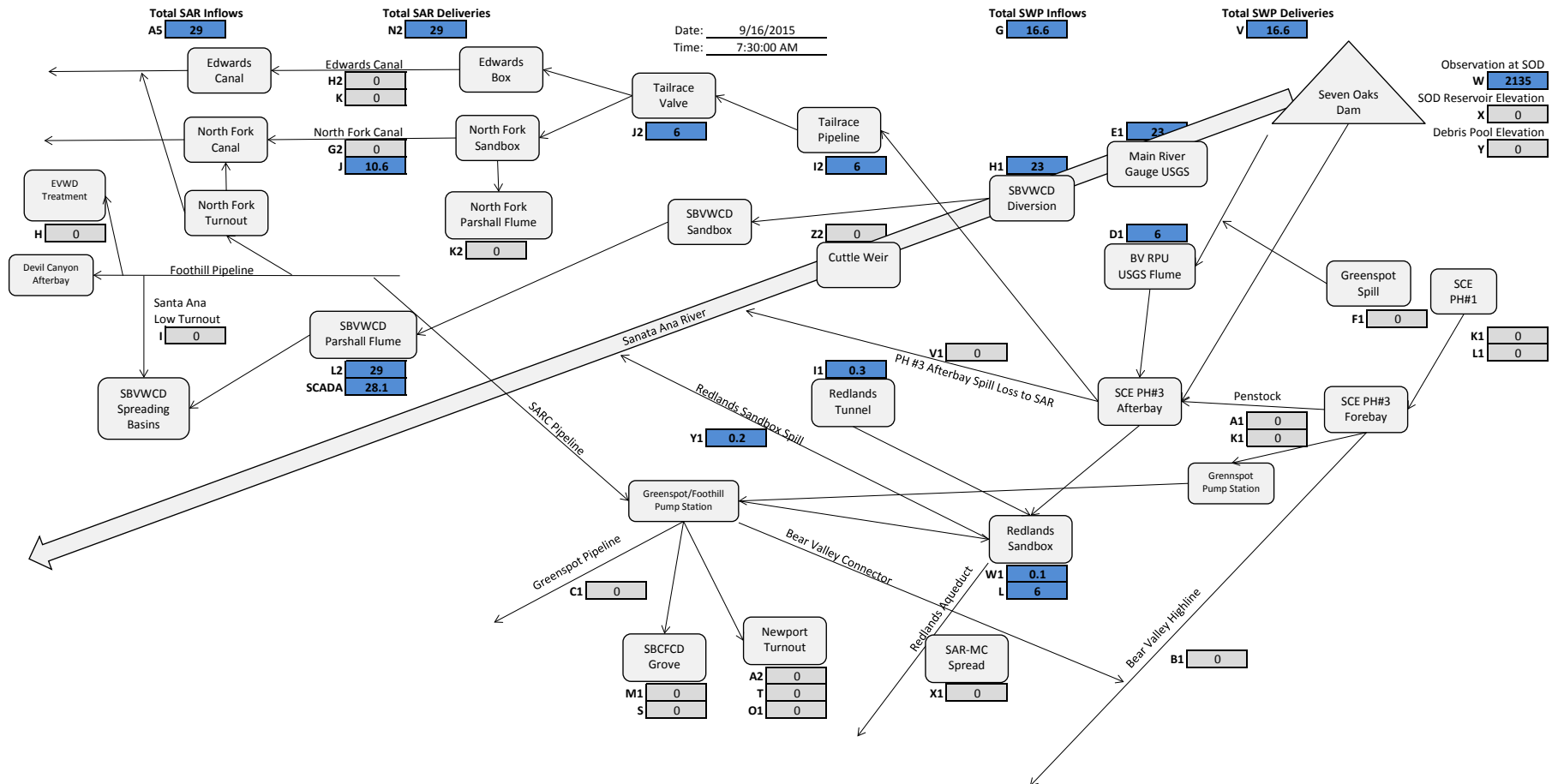
SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	20.6	I4	2,773.7	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	13.0	K4	1,039.1	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		8	Share of Lost Flow		0	Estimate Mill Creek Recharge		8
Flow in the River Above Alabama		8	Flowing Beyond Alabama		0	Total River Recharge		8

The diagram illustrates the Mill Creek water distribution system, showing the flow of water from various sources and infrastructure to different destinations. Key components and their associated values are as follows:

- Mill Creek**: Main horizontal line.
- Bear Valley Highline**: N1 (0)
- Greenspot Pipeline**: Observation at Garnet (G3) (8)
- RPU Spill**: A3 (0)
- River Pick Up**: B3 (0)
- M/C #3 Penstock**: B3 (0)
- SCE PH #2,3**: F3 (0)
- Parshall Flume to Yucaipa**: F3 (0)
- Yucaipa Pipeline**: K3 (0)
- Yucaipa Regional Park**: I3 (0)
- Wilson Creek Spreading**: J3 (0)
- Afterbay Spill**: W3 (0)
- M/C #1 Penstock**: E3 (0)
- SCE PH #1**: T3 (0)
- MC #1 Flow**: T3 (0)
- Cooley Hat**: East Weir to MC (L3 (0), Q3 (0))
- East Weir**: East Weir to Zanja (S3 (0))
- Tate Inflow**: P3 (0)
- Tate Treatment Plant**: R (0)
- Boullion to BVMWC Highline**: R3 (0)
- Irrigation**: C2 (0)
- Boullion Box**: Boullion Box to Zanja (E2 (0))
- West Weir**: West Weir to CWC (V3 (0))
- Gay Overflow**: B2 (0)
- Mentone Reservoir**: H3 (19)
- Tate Pump Station**: BVMWC Highline to Boullion (R1 (0))
- Boullion Connector**: S1 (0)
- Zanja-Tate Meter Station**: Zanja (0)
- Crafton Under Turnout**: Q1 (0), M (0), U (0)
- SBVWCD Mill Creek Diversion**: C3 (0)
- SBVWCD Spreading**: O3 (0)
- SBVWCD MC Spread**: P1 (0)
- West Weir to CWC**: V3 (0)
- Crafton Reservoir**: Y3 (11.5)

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



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/17/2015

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	26.0
N2	Total SAR Deliveries	26.0
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVMWD Parshall Flume	26.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	0.1

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	3.0
U3	Total MC Deliveries	3.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2151.7
Crafton Reservoir Level (21.3)	11
Mentone Reservoir Level	19.8

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.6
V	Total SWP Deliveries	16.6
J	Northfork Canal	10.6
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	2,828	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,044	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: 9/17/2015
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	10.6
D	Purchased Water	16.6	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	16.6	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	16.6

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows						
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		3.0	A1	SAR PH #3 Penstock (calc)	0.0			
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)		23.0	B1	BVMWC Highline	0.0			
J2	Tailrace Valve to Parshall Flume	3.0	E2	Boullioun Box to Zanja	0.0	Z1		SOD Release Subtotal		26.0	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0								D1	BVMWC River PU (USGS)	3.0
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		0.0							F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.1					Seven Oaks Dam						E1	Main River Gage (USGS)	23.0
Y1	Redlands Sandbox Spill	0.2					w	Observation at SOD		2151.7	D1a	BV Pick-Up gated	☐		
minus							x	SOD Reservoir Elevation (scada)		2152.3	A5	Total SAR Inflows		26.0	
F1	Greenspot Spill	0.0	J1	Big Bear Lake Release		1.5	y	Debris Pool Elevation		0.0					
D1	BVMWC River PU (USGS)	3.0	L1	SCE SAR AVM (SCADA)		0.0									
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)		0.0									
A1	SAR PH #3 Penstock (calc)		0.0												
K1	PH3# Penstock (SCADA)		0.0												

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	3.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	23.0
L2	SBVWCD Parshall Flume	26.0
	Parshall Flume (SCADA)	25.5

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

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.1
Y1	Redlands Sandbox Spill	0.2
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	3.0
L2	SBVWCD Parshall Flume	26.0
minus		
J2	Tailrace Valve to Parshall Flume	3.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	26.0

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	3.0
D3	Total MC Inflows	3.0

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

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	0.0	c3	SBVWCD Mill Creek Diversion	3.0	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)	0.0	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	3.0	v3	Zanja West Weir to CWC Canal	0.0
			t3	MC #1 Flow (Cooley Hat)	0.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	11.0

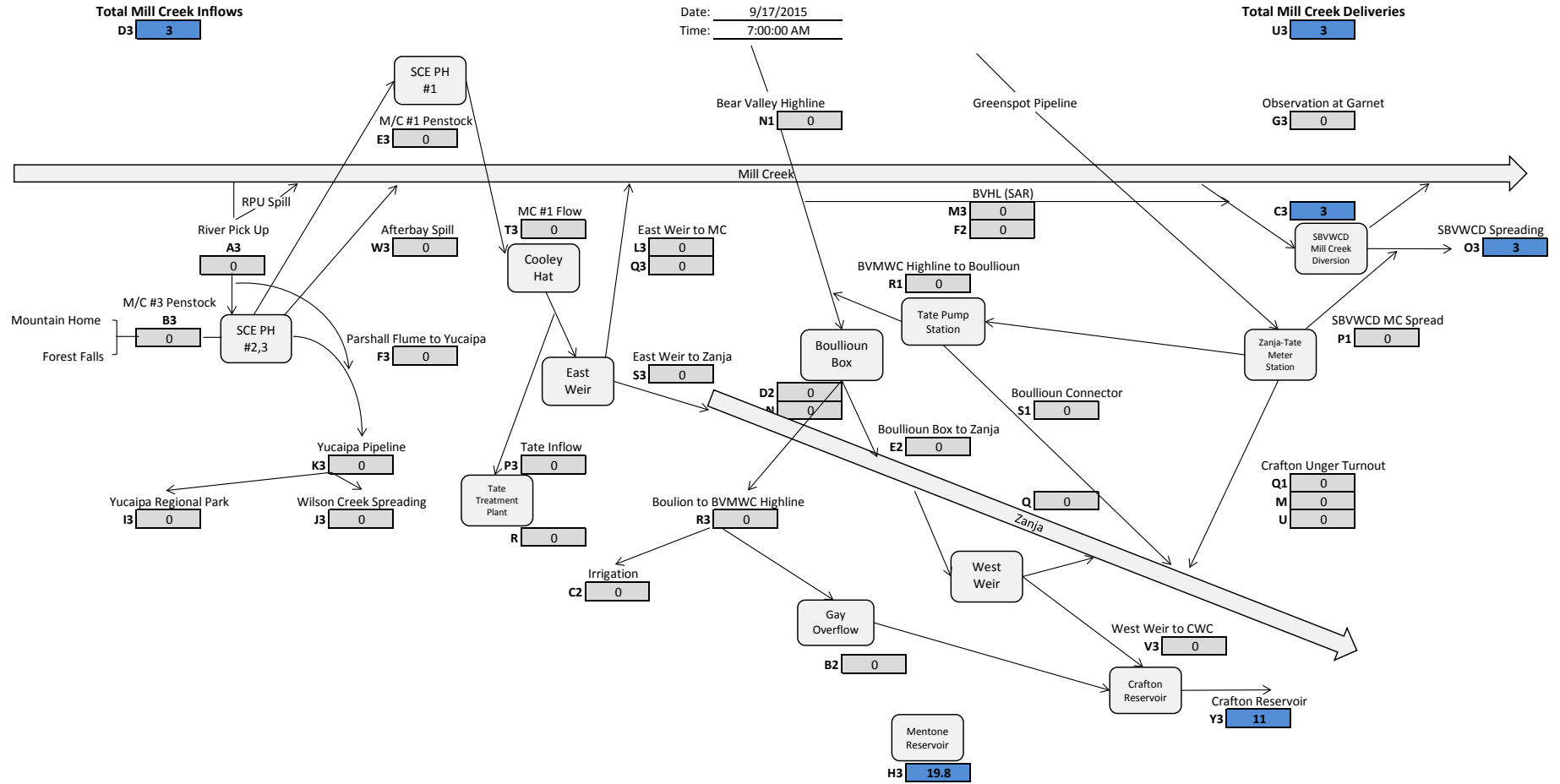
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	3.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	3.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	54.6	I4	2,828.2	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	5.2	K4	1,044.3	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

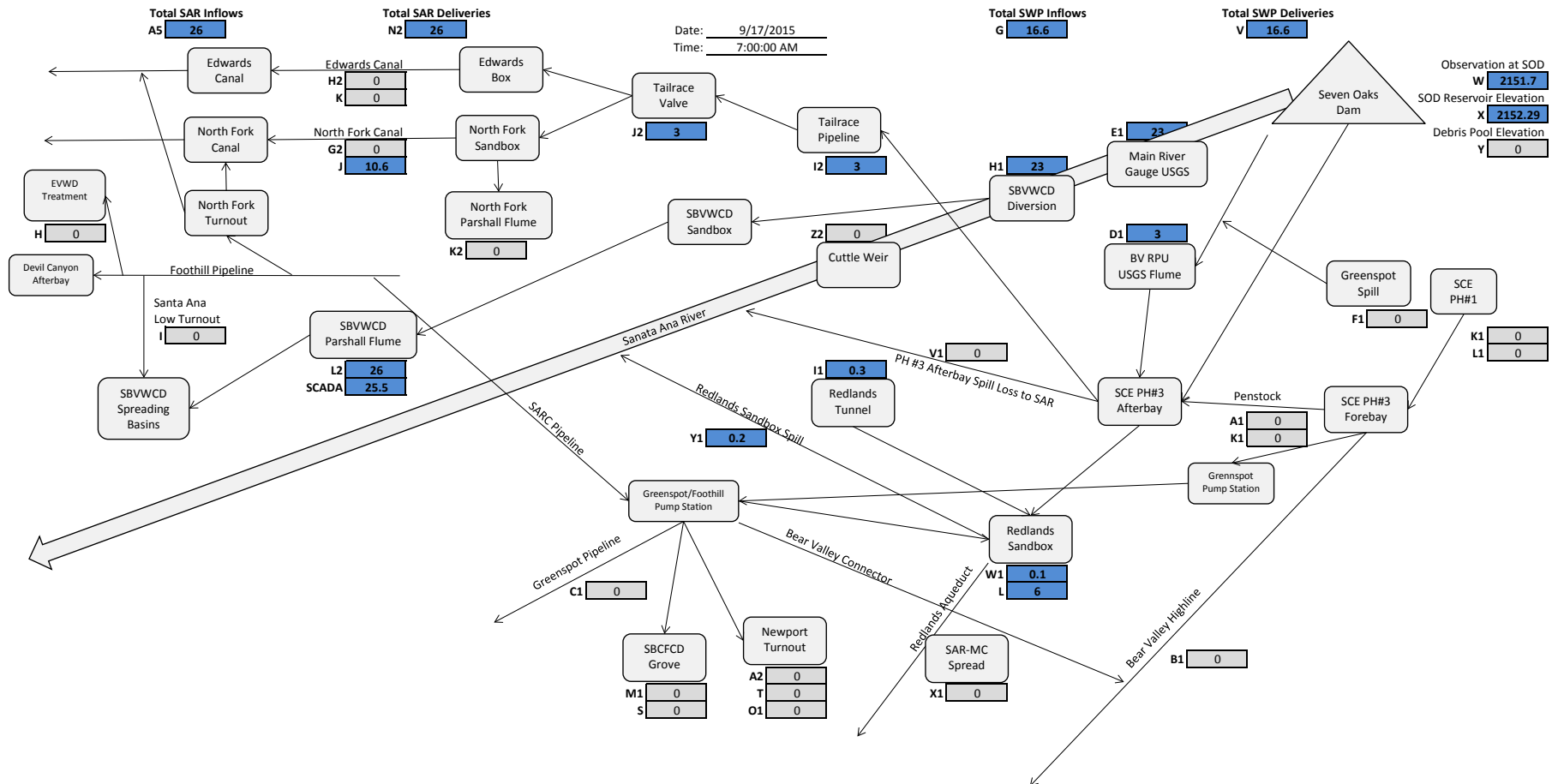
Santa Ana River - Mill Creek Cooperative Water Project

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: 9/18/2015

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	22.9
N2	Total SAR Deliveries	22.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.0
L2	SBVMWD Parshall Flume	22.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	0.1

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	3.0
U3	Total MC Deliveries	3.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	3.0
T3	MC #1 Flow (Cooley Hat)	0.0

Reservoir Levels	Feet
Observation at SOD	2152
Crafton Reservoir Level (21.3)	14
Mentone Reservoir Level	20.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.3
V	Total SWP Deliveries	17.3
J	Northfork Canal	10.6
L	Redlands Aqueduct	6.1
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,876	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,050	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: 9/18/2015
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	10.6
D	Purchased Water	17.3	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	6.1
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0
G	Total SWP Inflows	17.3	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	17.3

Santa Ana River Inflows

SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows						
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	D1	BVMWC River PU (USGS)		6.0	A1	SAR PH #3 Penstock (calc)	0.0			
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	0.0	E1	Main River Gage (USGS)		16.9	B1	BVMWC Highline	0.0			
J2	Tailrace Valve to Parshall Flume	5.1	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		22.9	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		0.0					F1	Greenspot Spill	0.0		
W1	Redlands Aqueduct / Sandbox	0.1				Seven Oaks Dam						E1	Main River Gage (USGS)	16.9	
Y1	Redlands Sandbox Spill	0.2				w	Observation at SOD		2152.0				D1a	BV Pick-Up gated	□
minus						x	SOD Reservoir Elevation (scada)		2152.1				A5	Total SAR Inflows	22.9
F1	Greenspot Spill	0.0	J1	Big Bear Lake Release		1.5	y		Debris Pool Elevation	0.0					
D1	BVMWC River PU (USGS)	6.0	L1	SCE SAR AVM (SCADA)		0.0									
I1	Redlands Tunnel	0.3	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	5.1
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	6.0

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	5.1
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	16.9
L2	SBVWCD Parshall Flume	22.0
	Parshall Flume (SCADA)	21.3

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

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	0.1
Y1	Redlands Sandbox Spill	0.2
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	6.0
L2	SBVWCD Parshall Flume	22.0
		minus
J2	Tailrace Valve to Parshall Flume	5.1
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	22.9

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	0.0
C3	SBVWCD Mill Creek Diversion	3.0
D3	Total MC Inflows	3.0

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

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	C3	SBVWCD Mill Creek Diversion	3.0	H3	Mentone Reservoir Level	20.2
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	0.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	U3	Total MC Deliveries	3.0	V3	Zanja West Weir to CWC Canal	0.0
			T3	MC #1 Flow (Cooley Hat)	0.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	14.0

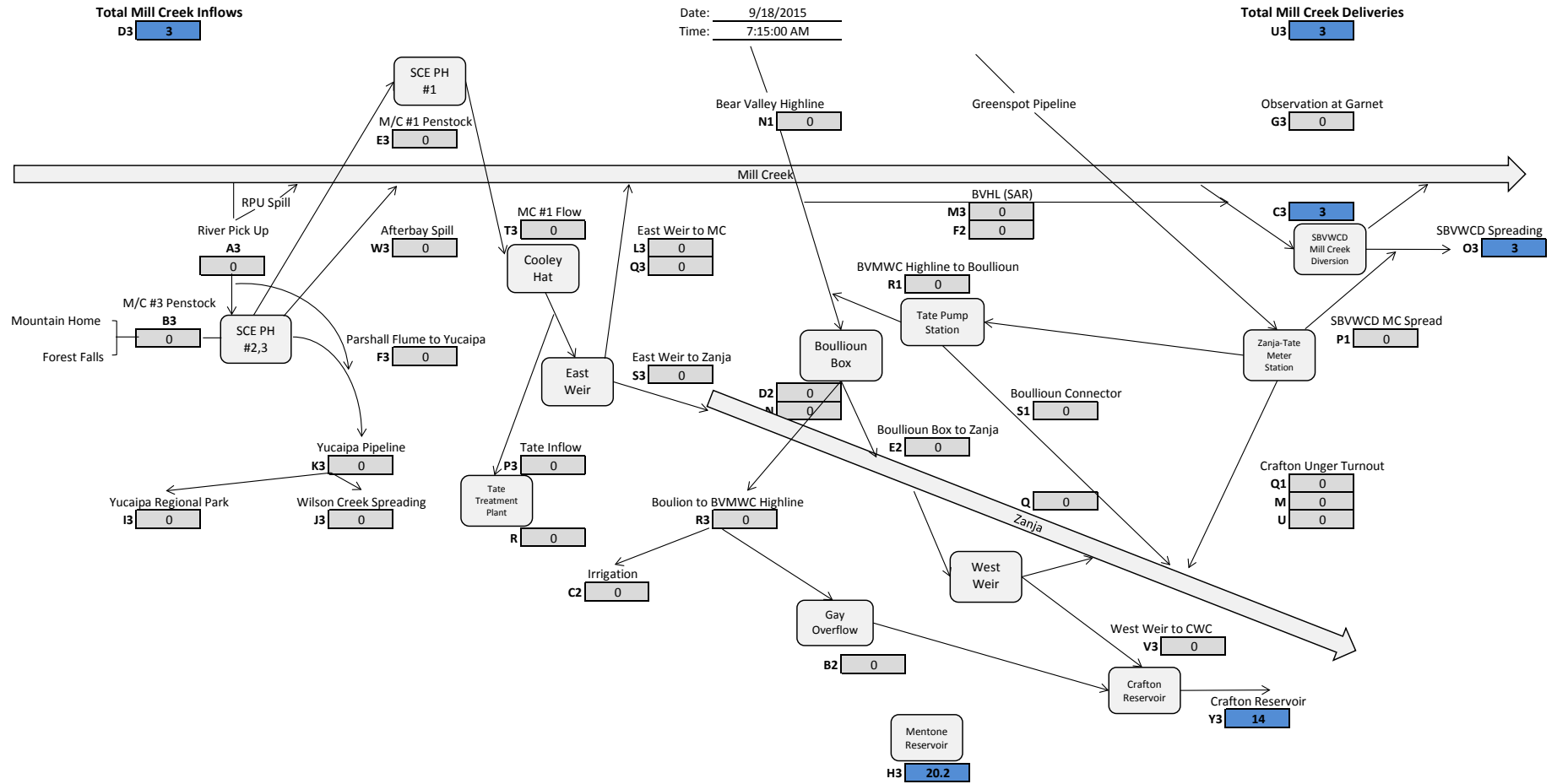
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	3.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	3.0

SBVWCD Recharge

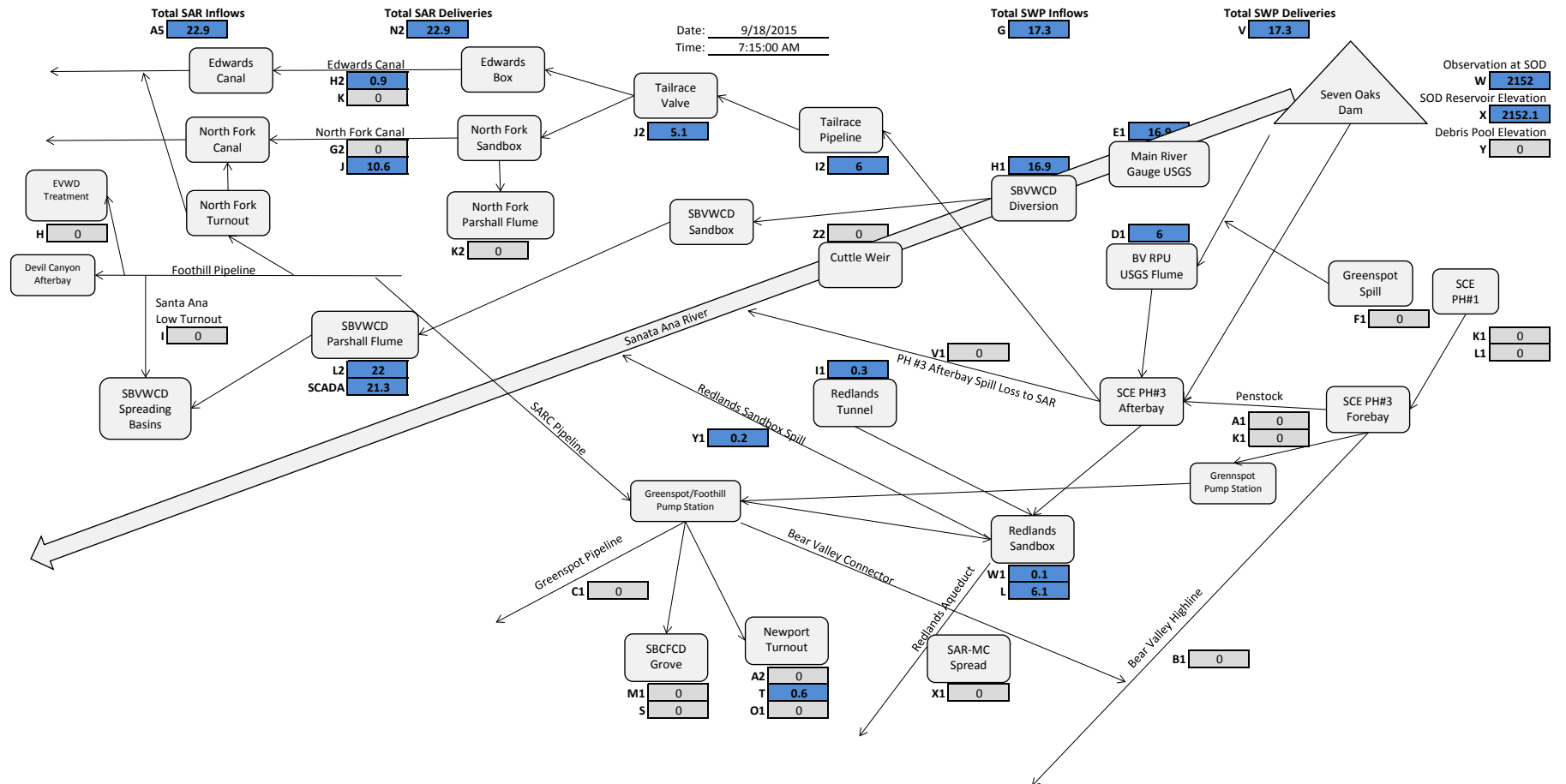
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	47.6	I4	2,875.8	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	6.0	K4	1,050.3	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	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: 9/21/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	20.6
N2	Total SAR Deliveries	20.6
A1	SAR PH#3 Penstock (calc)	7.9
B1	BVMWC Highline	4.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	5.9
L2	SBVMWD Parshall Flume	7.5
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.9
W1	Redlands Aqueduct/Sandbox	7.6

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

Reservoir Levels	Feet
Observation at SOD	2150.5
Crafton Reservoir Level (21.3)	21.3
Mentone Reservoir Level	21.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.1
V	Total SWP Deliveries	17.1
J	Northfork Canal	10.6
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.5

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	2,963	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,064	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: 9/21/2015
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	10.6
D	Purchased Water	17.1	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	17.1	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	0.5
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.1

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)		5.5	A1	SAR PH #3 Penstock (calc)	7.9			
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.7	E1	Main River Gage (USGS)		2.5	B1	BVMWC Highline	4.7			
J2	Tailrace Valve to Parshall Flume	5.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal			8.0	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0								D1	BVMWC River PU (USGS)	5.5
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.7							F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.6					Seven Oaks Dam						E1	Main River Gage (USGS)	2.5
Y1	Redlands Sandbox Spill	0.2					w	Observation at SOD		2150.5	D1a	BV Pick-Up gated	□		
minus							x	SOD Reservoir Elevation (scada)		2151.3	A5	Total SAR Inflows		20.6	
F1	Greenspot Spill	0.0	J1	Big Bear Lake Release		1.5	y	Debris Pool Elevation		0.0					
D1	BVMWC River PU (USGS)	5.5	L1	SCE SAR AVM (SCADA)		11.0									
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct)		0.0									
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	0.9
J2	Tailrace Valve to Parshall Flume	5.0
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	5.9

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	5.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	2.5
L2	SBVWCD Parshall Flume	7.5
	Parshall Flume (SCADA)	7.4

Irrigation		
D2	Boullioun Box Weir	4.7
minus		
B2	Gay Overflow	3.5
C2	Irrigation	1.2

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.6
Y1	Redlands Sandbox Spill	0.2
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	5.9
L2	SBVWCD Parshall Flume	7.5
minus		
J2	Tailrace Valve to Parshall Flume	5.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	20.6

Mill Creek Inflows

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

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

Mill Creek Deliveries

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

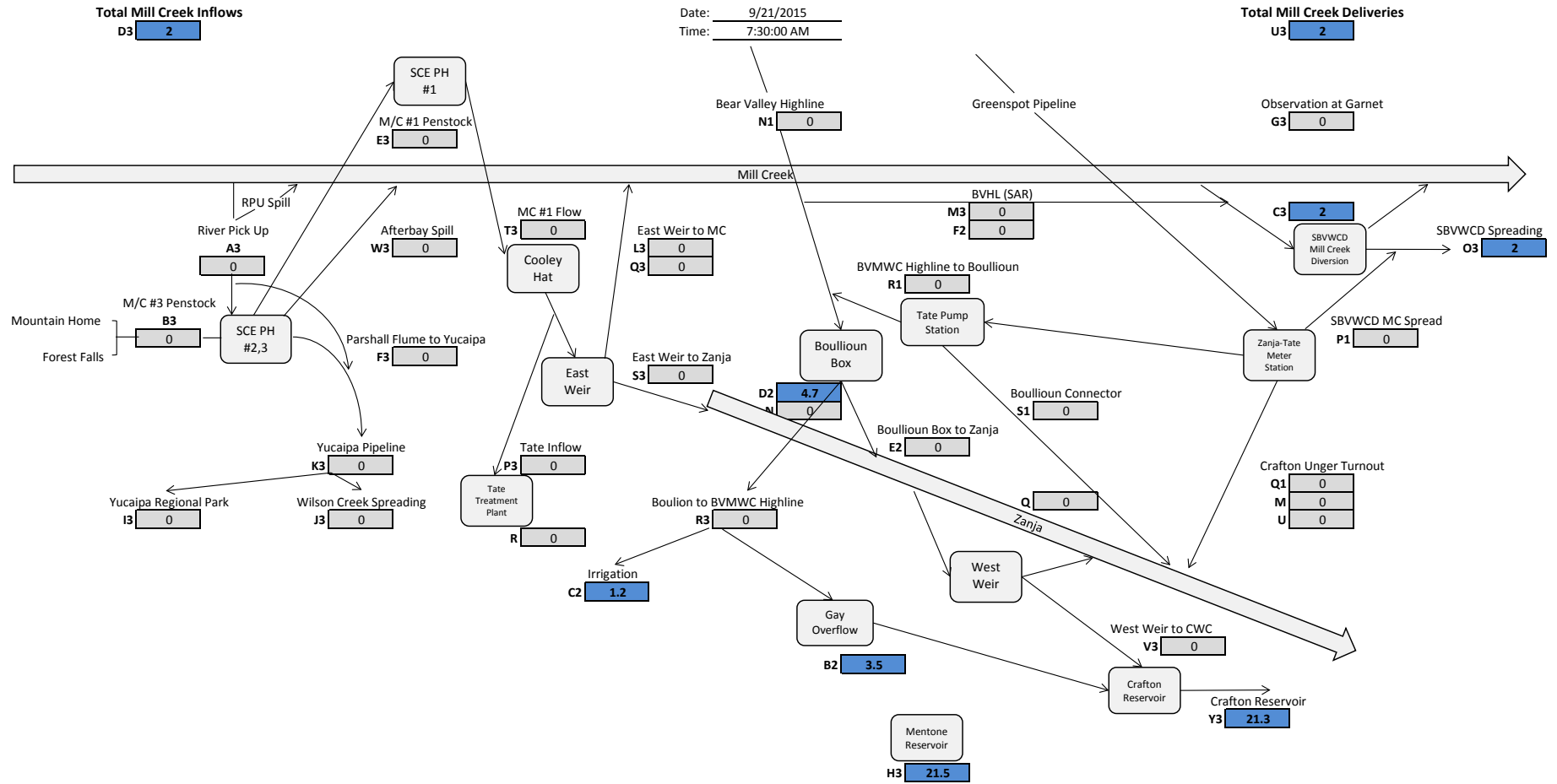
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	2.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	2.0

SBVWCD Recharge

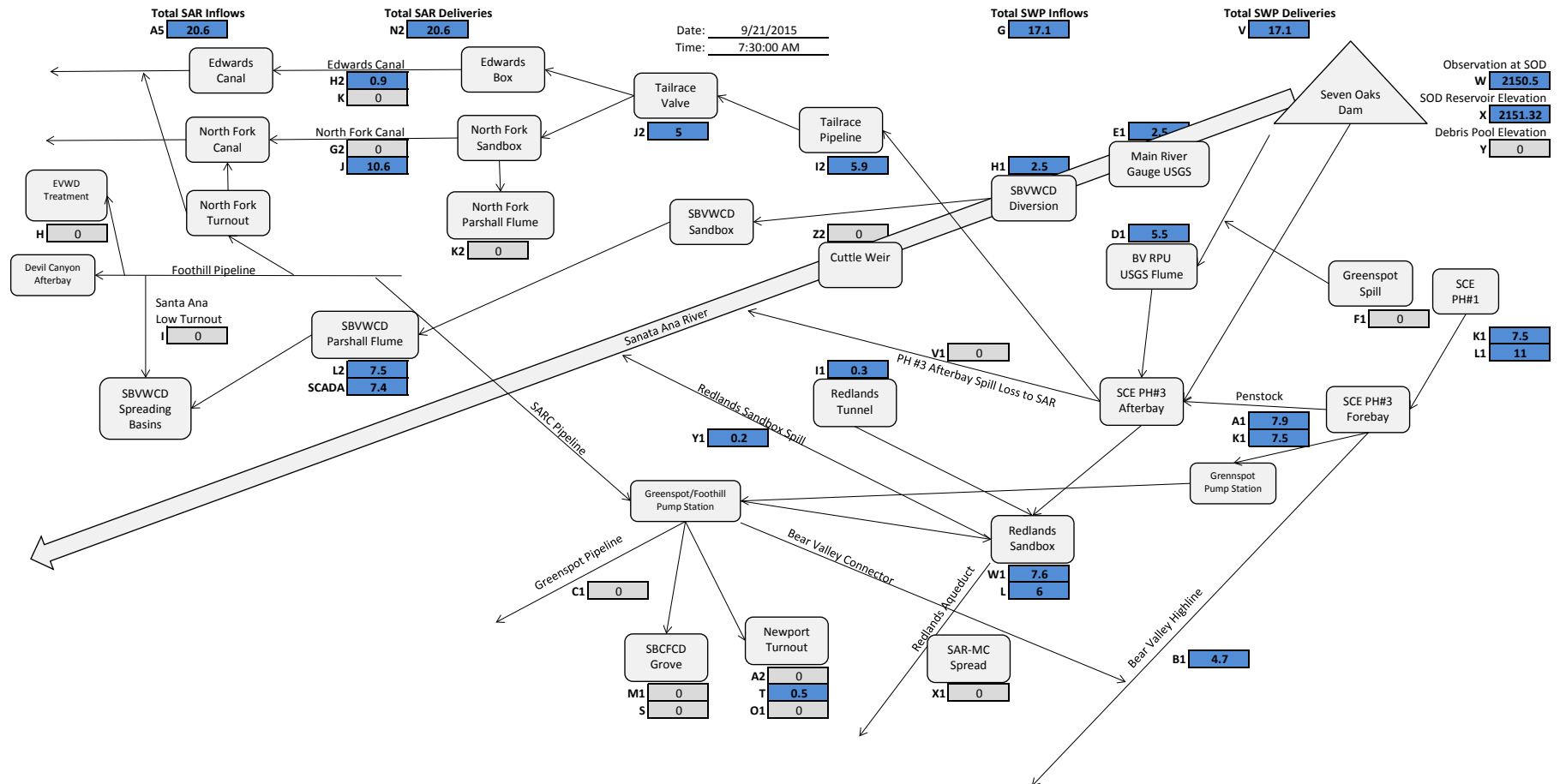
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	87.5	I4	2,963.3	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	13.9	K4	1,064.2	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	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: 9/22/2015

Time: 6:35:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	21.4
N2	Total SAR Deliveries	21.4
A1	SAR PH#3 Penstock (calc)	9.6
B1	BVMWC Highline	4.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	8.3
L2	SBVMWD Parshall Flume	7.1
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.2
W1	Redlands Aqueduct/Sandbox	8.4

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

Reservoir Levels	Feet
Observation at SOD	2150.5
Crafton Reservoir Level (21.3)	18.8
Mentone Reservoir Level	19.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.0
V	Total SWP Deliveries	17.0
J	Northfork Canal	10.6
L	Redlands Aqueduct	6.0
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,976	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,068	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/22/2015
Time: 6:35:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	17.0	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	10.6
D	Purchased Water	0.0	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	17.0	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	0.4
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.0

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)		7.1	A1	SAR PH #3 Penstock (calc)	9.6
H2	Edwards Canal	1.2	D2	Boullioun Box Weir	4.7	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.7
J2	Tailrace Valve to Parshall Flume	7.1	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		7.1	C1	Greenspot Pipeline	0.0
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	7.1
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline 4.7						F1	Greenspot Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.4				Seven Oaks Dam				E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.3				w	Observation at SOD		2150.5	D1a	BV Pick-Up gated	☐
minus						x	SOD Reservoir Elevation (scada)		2151.3	A5	Total SAR Inflows 21.4	
F1	Greenspot Spill	0.0	J1	Big Bear Lake Release 1.5		y	Debris Pool Elevation		0.0			
D1	BVMWC River PU (USGS)	7.1	L1	SCE SAR AVM (SCADA) 11.4								
I1	Redlands Tunnel	0.3	X1	SAR-MC Spread (Red. Aqueduct) 0.0								
A1	SAR PH #3 Penstock (calc) 9.6											
K1	PH3# Penstock (SCADA) 7.9											

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	1.2
J2	Tailrace Valve to Parshall Flume	7.1
K2	Northfork Parshall Flume	0.0
I2	Tailrace Pipeline	8.3

SBVWCD Parshall FlumeTo Basins		
J2	Tailrace Valve to Parshall Flume	7.1
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	0.0
L2	SBVWCD Parshall Flume	7.1
	Parshall Flume (SCADA)	6.9

Irrigation		
D2	Boullioun Box Weir	4.7
minus		
B2	Gay Overflow	4.6
C2	Irrigation	0.1

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	8.4
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.7
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	8.3
L2	SBVWCD Parshall Flume	7.1
minus		
J2	Tailrace Valve to Parshall Flume	7.1
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	21.4

Mill Creek Inflows

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

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

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	0.0	c3	SBVWCD Mill Creek Diversion	2.0	h3	Mentone Reservoir Level	19.2
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	0.0	r3	Boulliou to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	0.0	u3	Total MC Deliveries	2.0	v3	Zanja West Weir to CWC Canal	0.0
			t3	MC #1 Flow (Cooley Hat)	0.0				w3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	18.8

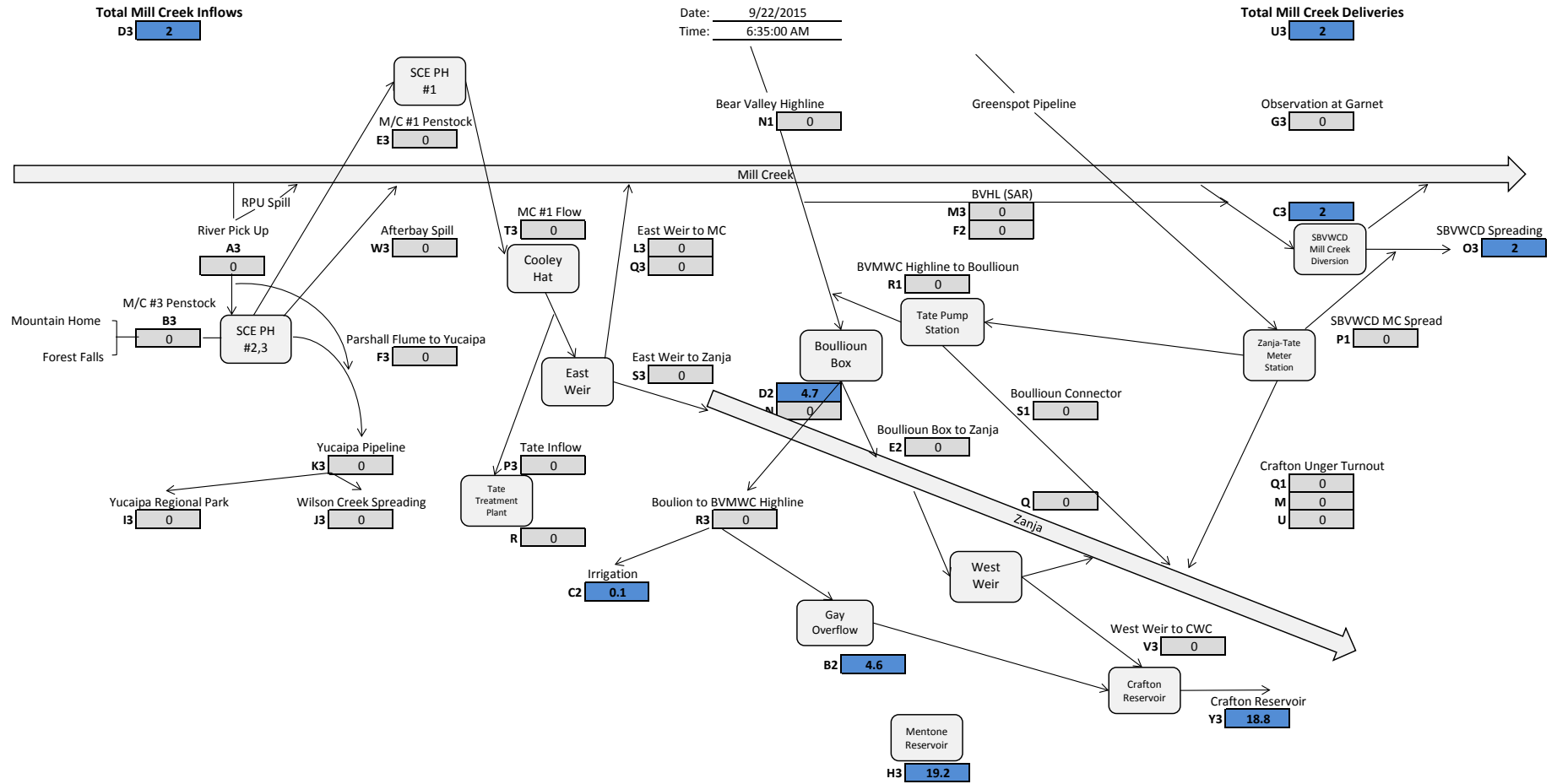
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	2.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	2.0

SBVWCD Recharge

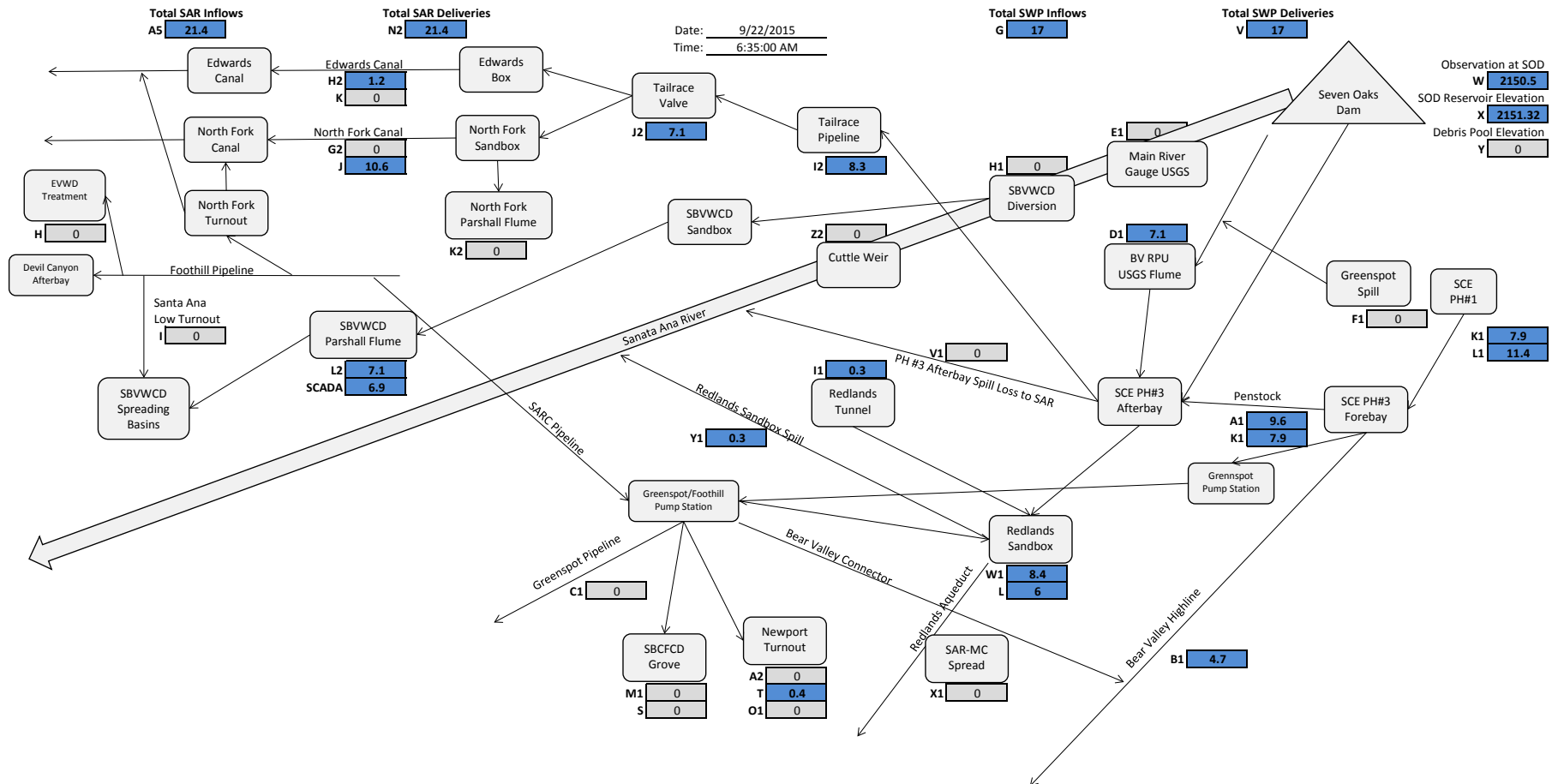
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	12.9	I4	2,976.2	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	4.0	K4	1,068.1	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	WMWD	SWP						
SAR Passing Cuttle Weir		0	Share of Lost Flow		0	Estimate SAR Recharge		0
Mill Creek Passing Garnet		0	Share of Lost Flow		0	Estimate Mill Creek Recharge		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama		0	Total River Recharge		0

Santa Ana River - Mill Creek Cooperative Water Project

Mill Creek Stations



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



Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 9/23/2015

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	21.8
N2	Total SAR Deliveries	21.8
A1	SAR PH#3 Penstock (calc)	10.0
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	2.5
L2	SBVWCD Parshall Flume	2.5
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	14.7

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

Reservoir Levels	Feet
Observation at SOD	2150.5
Crafton Reservoir Level (21.3)	16.2
Mentone Reservoir Level	18.2

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	16.4
V	Total SWP Deliveries	16.4
J	Northfork Canal	10.4
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	2,981	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,072	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/23/2015
Time: 7:15:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	16.4	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	10.4
D	Purchased Water	0.0	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	16.4	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	16.4

Santa Ana River Inflows

SAR PH #3 Penstock (calc)		BVMWC Highline		SOD Release Subtotal		Total SAR Inflows	
G2	Northfork Canal Weir	0.0	A2	Newport	0.0	A1	SAR PH #3 Penstock (calc)
H2	Edwards Canal	0.0	D2	Boulliou Box Weir	4.6	B1	BVMWC Highline
J2	Tailrace Valve to Parshall Flume	2.5	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	14.7				E1	Main River Gage (USGS)
Y1	Redlands Sandbox Spill	0.3				D1a	BV Pick-Up gated
	minus					A5	Total SAR Inflows
F1	Greenspot Spill	0.0					
D1	BVMWC River PU (USGS)	7.2					
I1	Redlands Tunnel	0.3					
A1	SAR PH #3 Penstock (calc)	10.0					
K1	PH3# Penstock (SCADA)	9.5					

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	0.0	W1	Redlands Aqueduct / Sandbox
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	2.5	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	2.5	C1	Greenspot Pipeline
S1	Crafton WC Boulliou	0.0		Parshall Flume (SCADA)	2.4	I2	Tailrace Pipeline
T1	Tate Pump Station to Zanja	0.0				L2	SBVWCD Parshall Flume
C1	Greenspot Pipeline	0.0					minus
						J2	Tailrace Valve to Parshall Flume
						K2	Northfork Parshall Flume
						I1	Redlands Tunnel
						N2	Total SAR Deliveries

Mill Creek Inflows

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

Mill Creek Deliveries

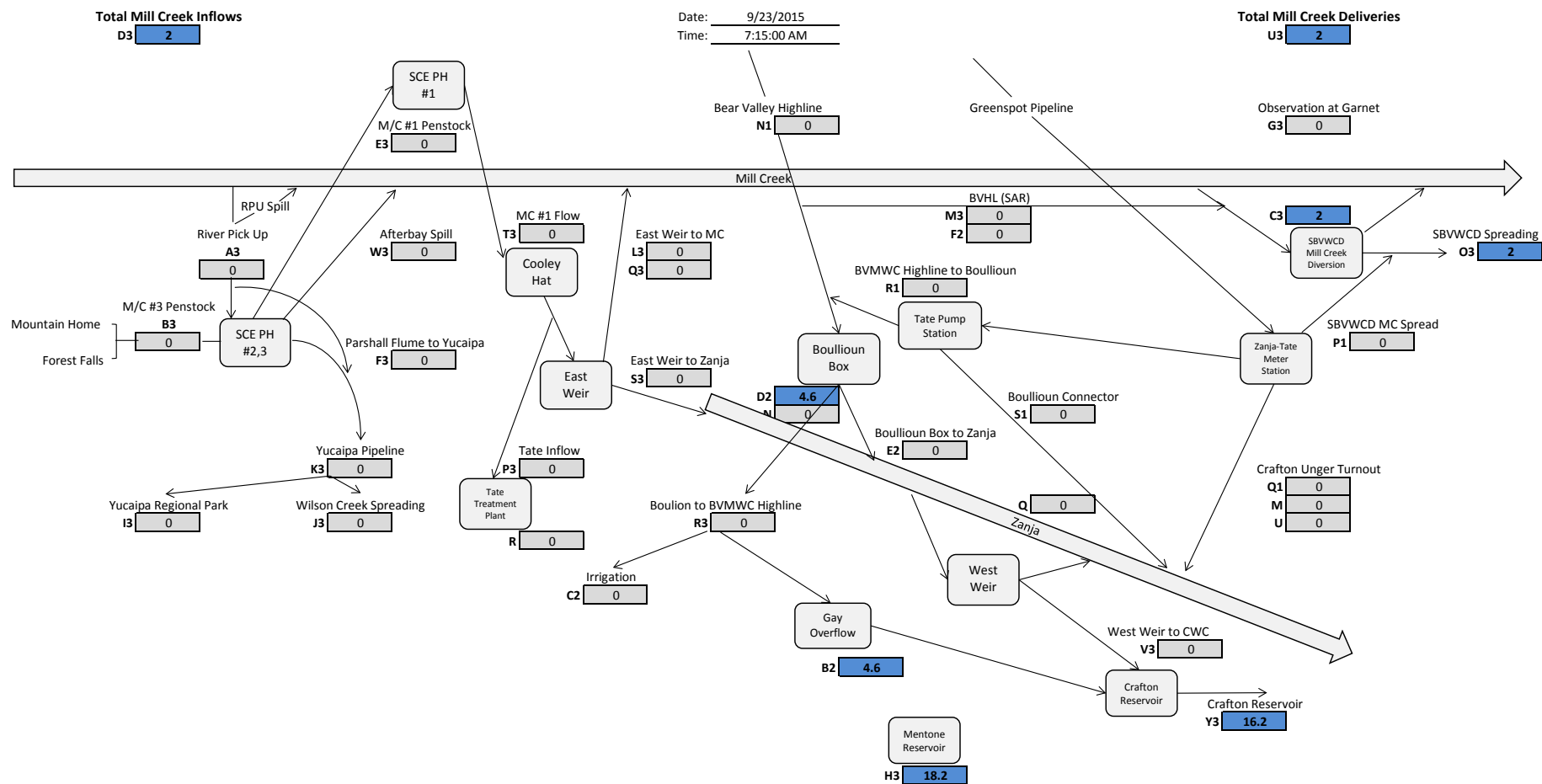
Yucaipa Pipeline		MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other	
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	0.0	H3	Mentone Reservoir Level
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	R3	Boulliou to BVMWC Highline
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	0.0	V3	Zanja West Weir to CWC Canal
			T3	MC #1 Flow (Cooley Hat)	0.0	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

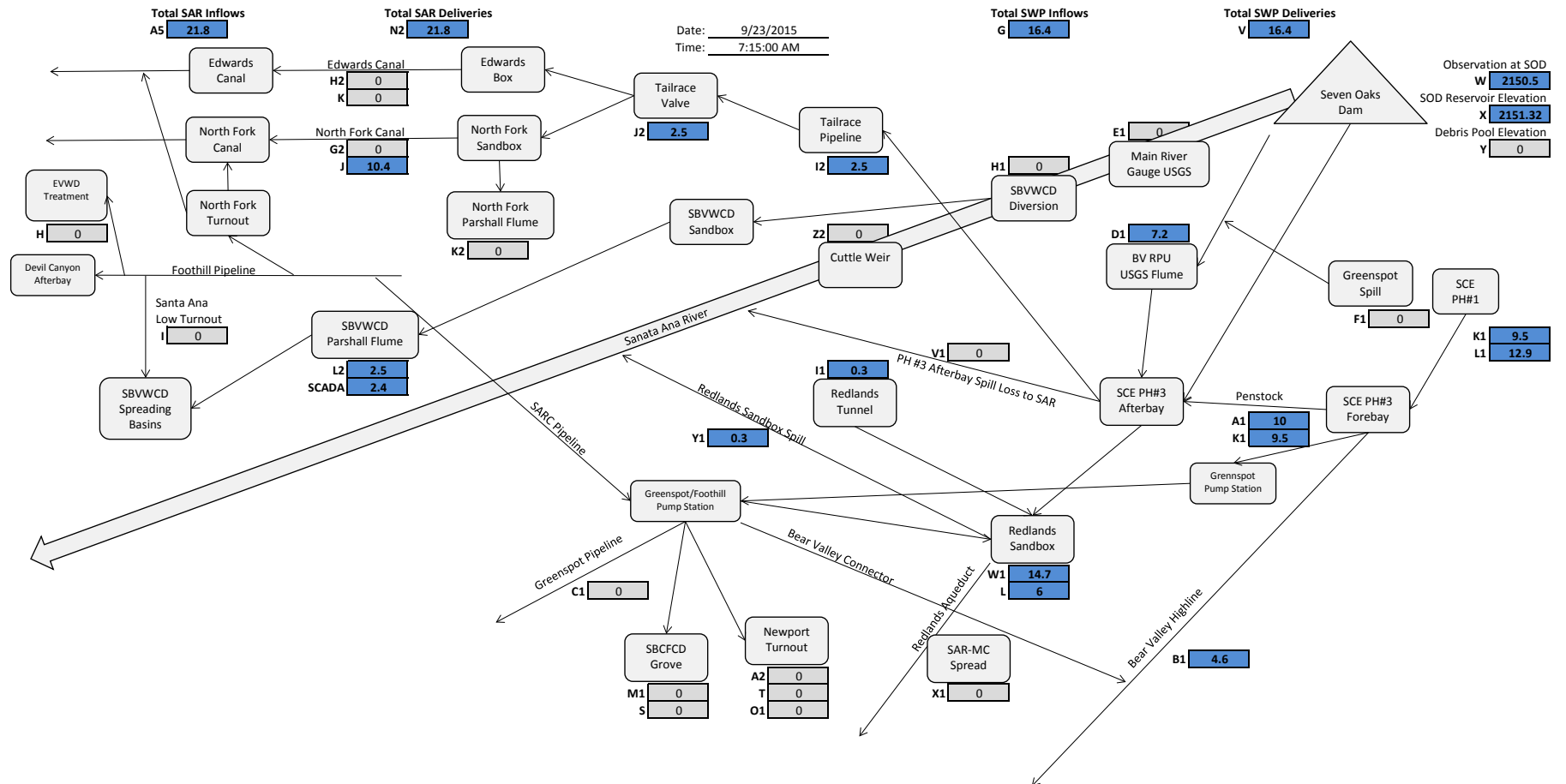
Location		Type	Previous Day (AF)		WY To Date (AF)		Target
A4	Santa Ana River	SAR	E4	5.0	I4	2,981.1	123,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7	
B4	Santa Ana River	SWP	F4	0.0	J4	81.0	
C4	Mill Creek	MC	G4	4.0	K4	1,072.1	73,800
D4	Mill Creek	SWP	H4	0.0	L4	0	714
	SBVMWD	SWP					
	WMWD	SWP					
	SAR Passing Cuttle Weir	0		Share of Lost Flow	0		Estimate SAR Recharge
	Mill Creek Passing Garnet	0		Share of Lost Flow	0		Estimate Mill Creek Recharge
	Flow in the River Above Alabama	0		Flowing Beyond Alabama	0		Total River Recharge

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: 9/24/2015

Time: 7:00:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	20.0
N2	Total SAR Deliveries	20.0
A1	SAR PH#3 Penstock (calc)	8.2
B1	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVMWD Parshall Flume	0.5
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	0.0
W1	Redlands Aqueduct/Sandbox	14.9

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	2.0
T3	MC #1 Flow (Cooley Hat)	4.1

Reservoir Levels	Feet
Observation at SOD	2150.5
Crafton Reservoir Level (21.3)	14
Mentone Reservoir Level	19

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.0
V	Total SWP Deliveries	17.0
J	Northfork Canal	10.3
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,982	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,076	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/24/2015

Time: 7:00:00 AM

State Water Project

Inflows			Deliveries					
A	BBMWD In-lieu	17.0	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	10.3	R	Tate Treatment Plant	0.0
D	Purchased Water	0.0	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	0.7
F	Recharge Project	0.0	M	Crafton Unger Lane	0.0	U	M/C spreading at Zanja Tate	0.0
G	Total SWP Inflows	17.0	N	BVMWC Bouillion Box	0.0	V	Total SWP Deliveries	17.0

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)		6.5	A1	SAR PH #3 Penstock (calc)		8.2				
H2	Edwards Canal	0.0	D2	Boullioun Box Weir	4.6	E1	Main River Gage (USGS)		0.5	B1	BVMWC Highline		4.6				
J1	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		7.0	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 2150.5 x SOD Reservoir Elevation (scada) 2151.3 y Debris Pool Elevation 0.0							D1	BVMWC River PU (USGS)		6.5	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline									4.6	F1	Greenspot Spill		0.2
W1	Redlands Aqueduct / Sandbox	14.9	Other J1 Big Bear Lake Release 1.5 L1 SCE SAR AVM (SCADA) 11.2 X1 SAR-MC Spread (Red. Aqueduct) 0.0										E1	Main River Gage (USGS)		0.5	
Y1	Redlands Sandbox Spill	0.3				minus			D1a	BV Pick-Up gated		☐					
			A5	Total SAR Inflows					20.0								
F1	Greenspot Spill	0.2															
D1	BVMWC River PU (USGS)	6.5															
I1	Redlands Tunnel	0.3															
A1	SAR PH #3 Penstock (calc)	8.2															
K1	PH3# Penstock (SCADA)	7.7															

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.0
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	0.5
L2	SBVWCD Parshall Flume	0.5
	Parshall Flume (SCADA)	0.4

Irrigation		
D2	Boullioun Box Weir	4.6
	minus	
B2	Gay Overflow	2.2
C2	Irrigation	2.4

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	14.9
Y1	Redlands Sandbox Spill	0.3
Z1	Cuttle Weir To River	0.0
B2	BVMWC Highline	4.6
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	0.0
L2	SBVWCD Parshall Flume	0.5
	minus	
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.3
N2	Total SAR Deliveries	20.0

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	0.0	E3	M/C #1 Penstock Flow	4.1
B3	M/C #3 Penstock	4.1	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	2.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	6.1			

Mill Creek Deliveries

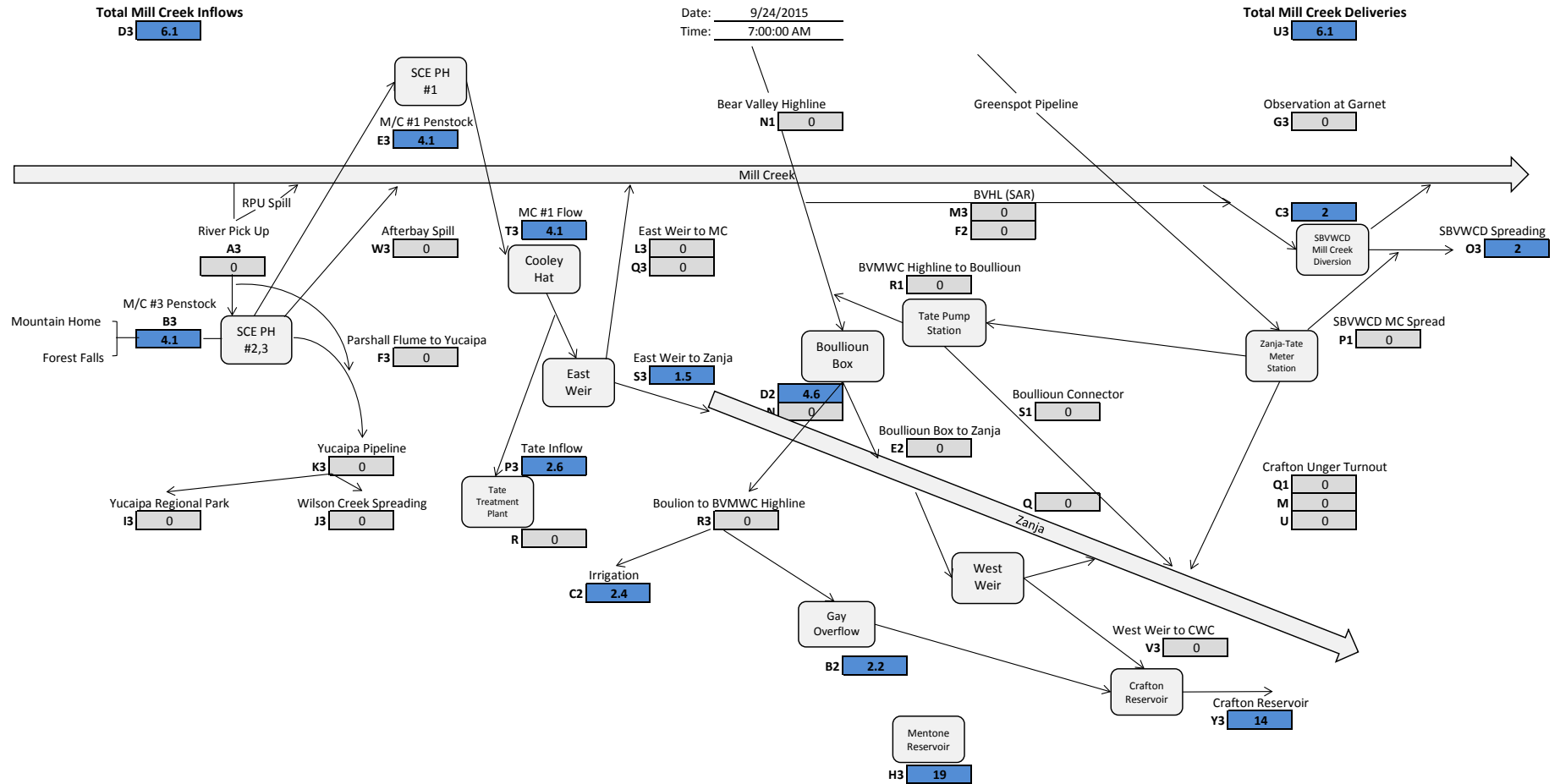
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
i3	Yucaipa Regional Park	0.0	p3	Tate Inflow	2.6	c3	SBVWCD Mill Creek Diversion	2.0	H3	Mentone Reservoir Level	19.0
j3	Wilson Creek Spreading	0.0	o3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	4.1	R3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.5	u3	Total MC Deliveries	6.1	v3	Zanja West Weir to CWC Canal	0.0
SBVWCD MC Spreading			t3	MC #1 Flow (Cooley Hat)	4.1			w3	Mill Creek PH #2,3 Afterbay Spill	0.0	
								Y3	Crafton Reservoir Level (21.3)	14.0	

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	1.0	I4	2,982.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	4.0	K4	1,076.1	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

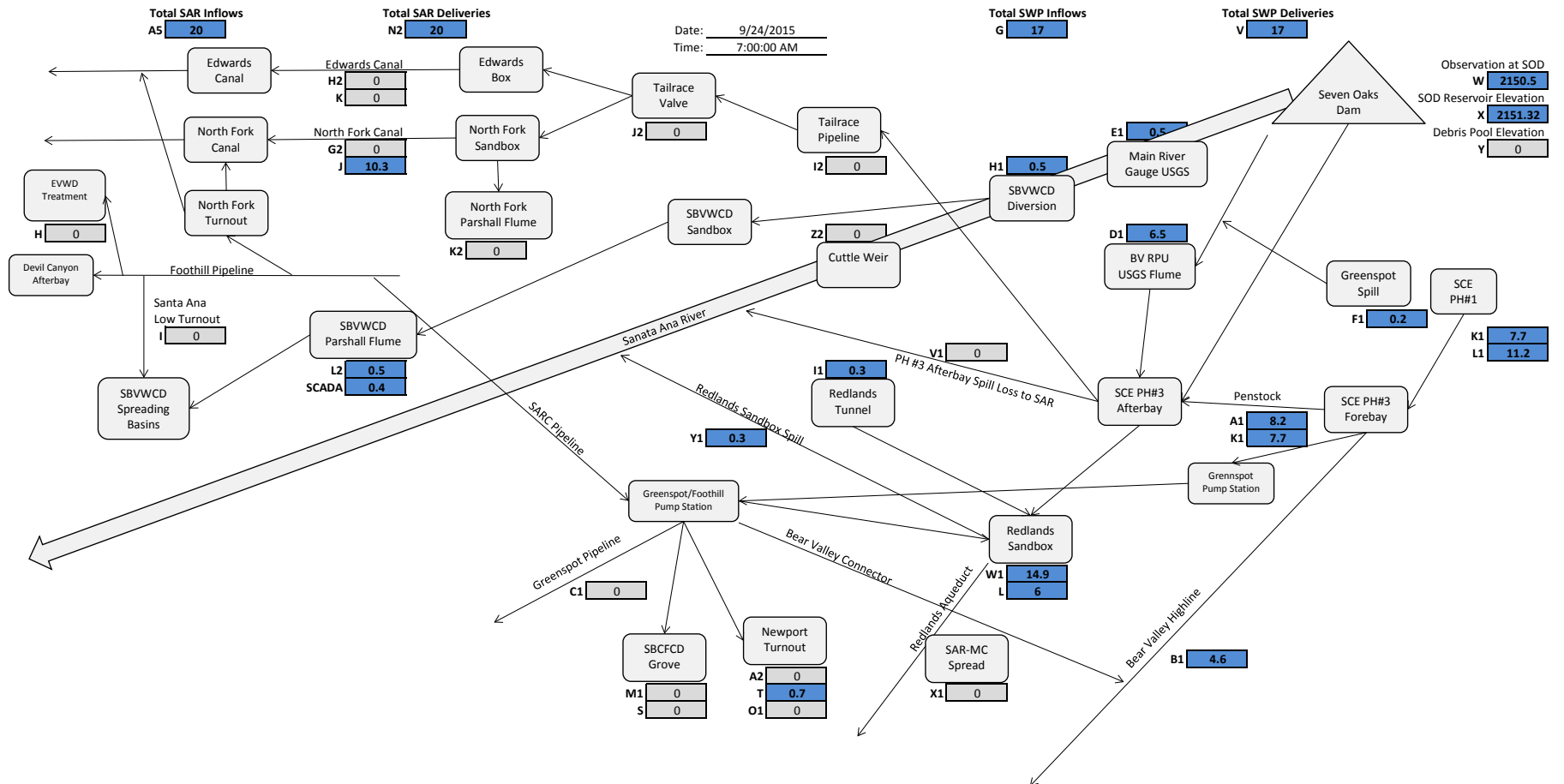
Santa Ana River - Mill Creek Cooperative Water Project

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: 9/25/2015

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	19.4
N2	Total SAR Deliveries	19.4
A1	SAR PH#3 Penstock (calc)	8.2
B1	BVMWC Highline	4.7
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	13.8

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	2.0
T3	MC #1 Flow (Cooley Hat)	4.0

Reservoir Levels	Feet
Observation at SOD	2150.5
Crafton Reservoir Level (21.3)	13
Mentone Reservoir Level	18.5

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	17.0
V	Total SWP Deliveries	17.0
J	Northfork Canal	10.4
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,982	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,080	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/25/2015
Time: 7:15:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	17.0	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	10.4
D	Purchased Water	0.0	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	17.0	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	0.6
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	17.0

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)		6.3	A1	SAR PH #3 Penstock (calc)	8.2		
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	4.7	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	4.7		
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		6.3	C1	Greenspot Pipeline	0.0		
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	6.3		
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		4.7					F1	Greenspot Spill	0.2	
W1	Redlands Aqueduct / Sandbox	13.8										E1	Main River Gage (USGS)	0.0
Y1	Redlands Sandbox Spill	0.3										D1a	BV Pick-Up gated	□
minus												A5	Total SAR Inflows	19.4
F1	Greenspot Spill	0.2												
D1	BVMWC River PU (USGS)	6.3												
I1	Redlands Tunnel	0.3												
A1	SAR PH #3 Penstock (calc)	8.2												
K1	PH3# Penstock (SCADA)	5.7												

Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	10.5
X1	SAR-MC Spread (Red. Aqueduct)	0.0

W	Observation at SOD	2150.5
X	SOD Reservoir Elevation (scada)	2151.3
Y	Debris Pool Elevation	0.0

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
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	4.7
		minus
B2	Gay Overflow	2.5
C2	Irrigation	2.2

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	13.8
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	4.7
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	19.4

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	0.0
B3	M/C #3 Penstock	4.0
C3	SBVWCD Mill Creek Diversion	2.0
D3	Total MC Inflows	6.0

Other		
E3	M/C #1 Penstock Flow	4.0
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	0.0

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)		Total MC Deliveries		Other				
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	2.5	C3	SBVWCD Mill Creek Diversion	2.0	H3	Mentone Reservoir Level	18.5
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	4.0	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.5	U3	Total MC Deliveries	6.0	V3	Zanja West Weir to CWC Canal	0.5
			T3	MC #1 Flow (Cooley Hat)	4.0				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	13.0

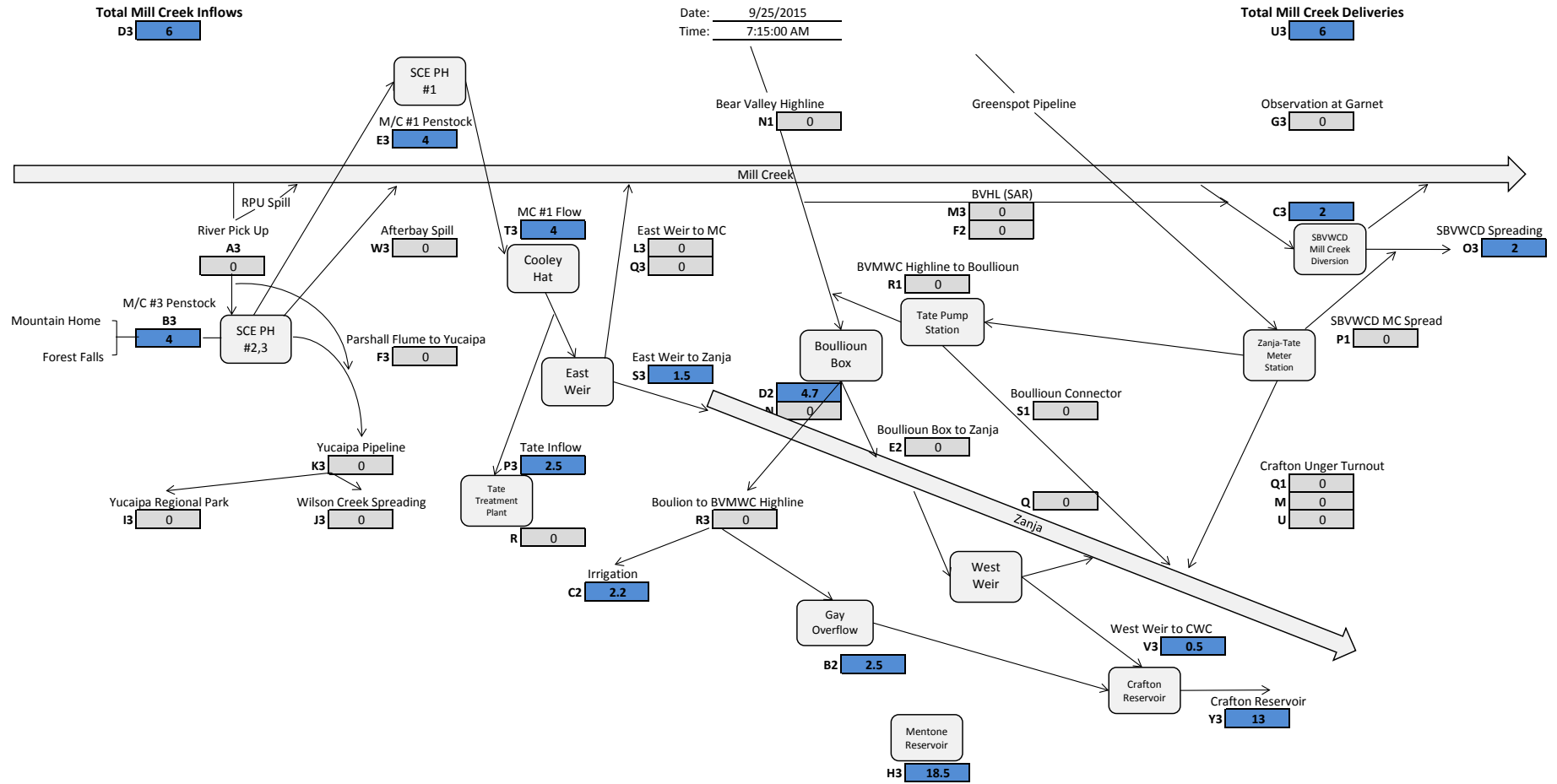
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	2.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	2.0

SBVWCD Recharge

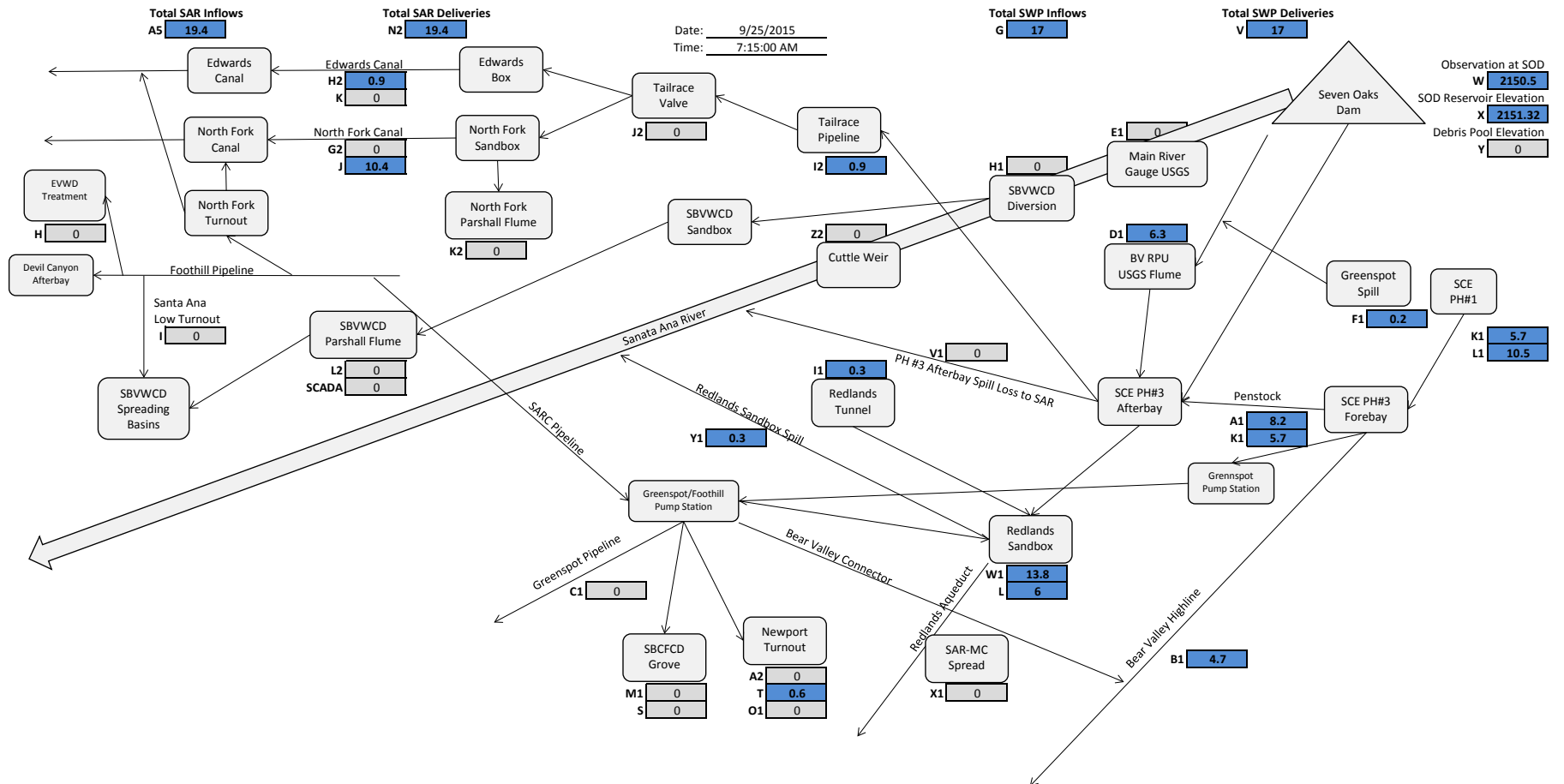
Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,982.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	4.0	K4	1,080.0	73,800	
D4	Mill Creek	SWP	H4	0.0	L4	0	714	
	SBVMWD	SWP						
	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: 9/28/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	18.6
N2	Total SAR Deliveries	18.6
A1	SAR PH#3 Penstock (calc)	5.0
B1	BVMWC Highline	6.4
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	11.3

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

Reservoir Levels	Feet
Observation at SOD	2146.2
Crafton Reservoir Level (21.3)	13
Mentone Reservoir Level	21.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	24.9
V	Total SWP Deliveries	24.9
J	Northfork Canal	10.0
L	Redlands Aqueduct	5.9
M	Crafton Unger Lane	8.5
T	Newport to BVMWC	0.5

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	2,982	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,080	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/28/2015
Time: 7:30:00 AM

State Water Project

Inflows		Deliveries			
A	BBMWD In-lieu	24.9	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	10.0
D	Purchased Water	0.0	K	Edwards Canal	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	5.9
F	Recharge Project	0.0	M	Crafton Unger Lane	8.5
G	Total SWP Inflows	24.9	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	0.5	U	M/C spreading at Zanja Tate	0.0
V	Total SWP Deliveries	24.9			

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)		6.6	A1	SAR PH #3 Penstock (calc)	5.0	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	6.4	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	6.4	
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal		6.6	C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	0.0	F2	SBVWCD Mill Creek Spreading	0.0					D1	BVMWC River PU (USGS)	6.6	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		6.4					F1	Greenspot Spill	0.6
W1	Redlands Aqueduct / Sandbox	11.3								E1	Main River Gage (USGS)	0.0	
Y1	Redlands Sandbox Spill	0.3								D1a	BV Pick-Up gated	☐	
minus										A5	Total SAR Inflows	18.6	
F1	Greenspot Spill	0.6											
D1	BVMWC River PU (USGS)	6.6											
I1	Redlands Tunnel	0.3											
A1	SAR PH #3 Penstock (calc)	5.0											
K1	PH3# Penstock (SCADA)	4.2											

Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	10.9
X1	SAR-MC Spread (Red. Aqueduct)	0.0

w	Observation at SOD	2146.2
x	SOD Reservoir Elevation (scada)	2151.3
y	Debris Pool Elevation	0.0

Santa Ana River Deliveries

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

Tailrace Pipeline		
G2	Northfork Canal Weir	0.0
H2	Edwards Canal	0.9
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	6.4
		minus
B2	Gay Overflow	3.9
C2	Irrigation	2.5

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	11.3
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	6.4
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	18.6

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	3.3
B3	M/C #3 Penstock	4.3
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	7.6

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

Mill Creek Deliveries

Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
I3	Yucaipa Regional Park	0.0	P3	Tate Inflow	6.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.6	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.6	U3	Total MC Deliveries	7.6	V3	Zanja West Weir to CWC Canal	8.8
			T3	MC #1 Flow (Cooley Hat)	7.6				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	13.0

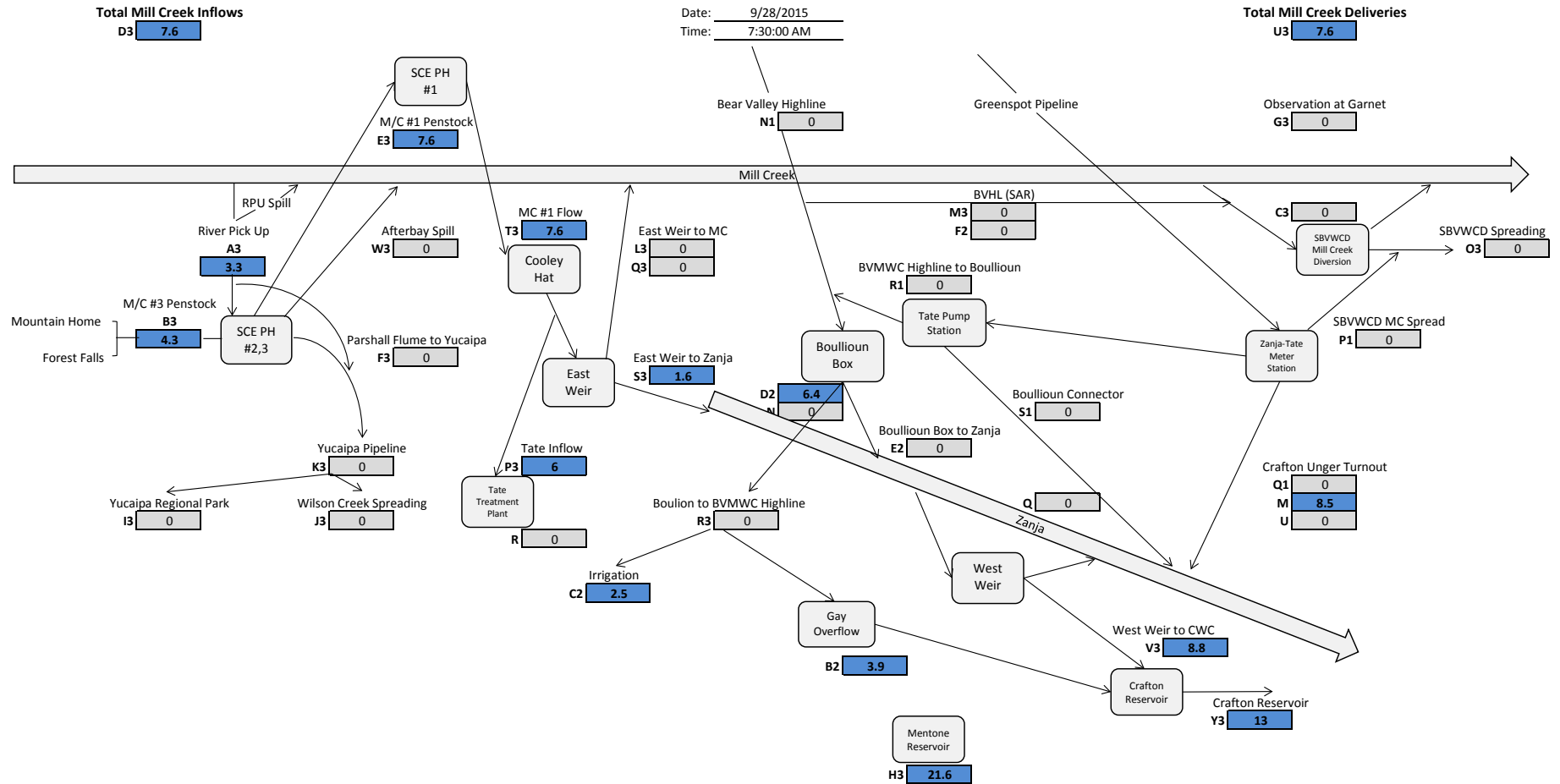
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,982.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.2	K4	1,080.2	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

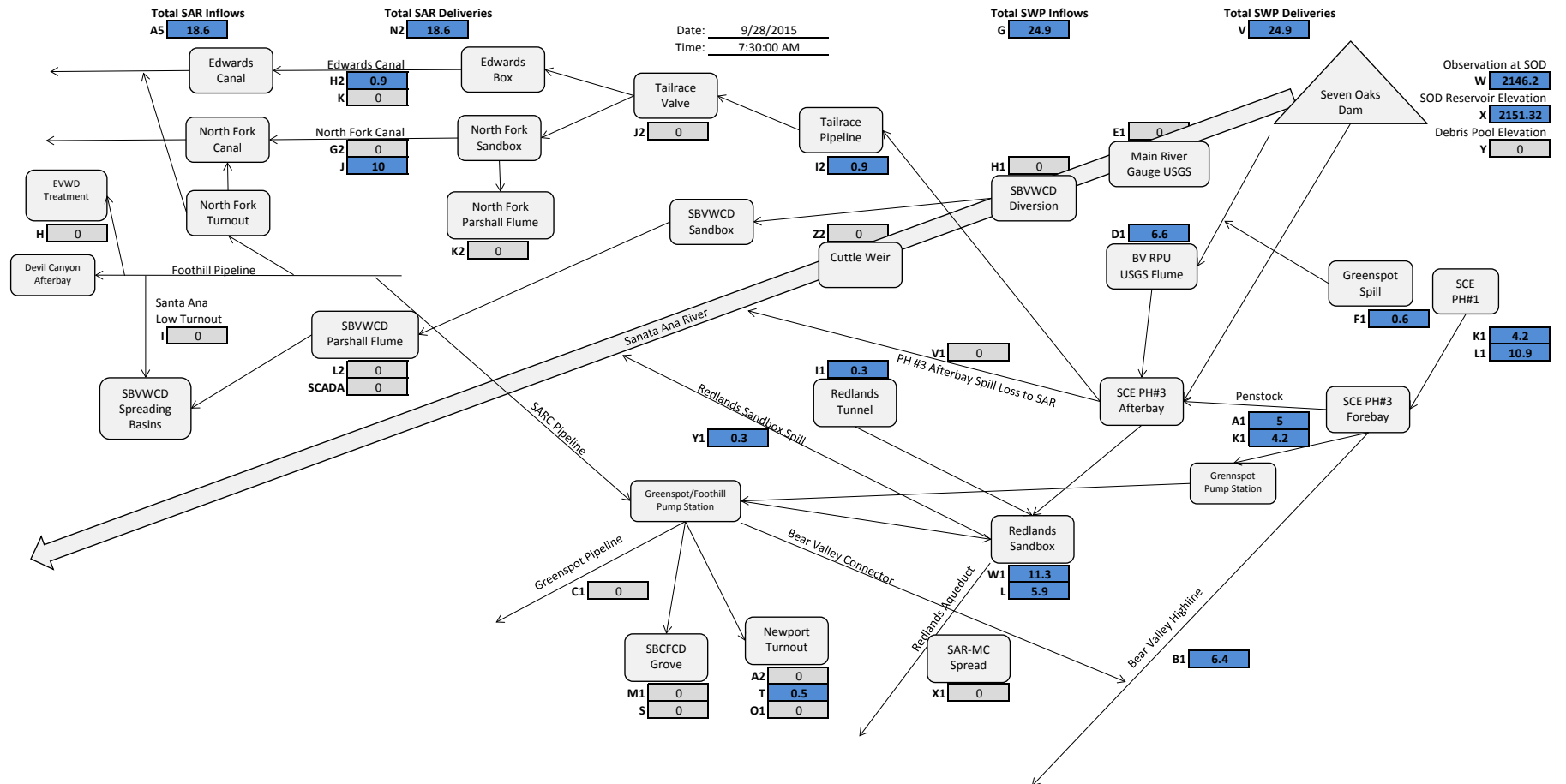
Santa Ana River - Mill Creek Cooperative Water Project

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: 9/29/2015

Time: 7:30:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	16.9
N2	Total SAR Deliveries	16.9
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	7.0
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	9.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.4
U3	Total MC Deliveries	7.4
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.4

Reservoir Levels	Feet
Observation at SOD	2146.2
Crafton Reservoir Level (21.3)	13
Mentone Reservoir Level	21.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	20.0
V	Total SWP Deliveries	20.0
J	Northfork Canal	10.4
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	3.0
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	WY to Date (AF)	Target
Santa Ana River	SAR	2,982	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,080	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/29/2015
Time: 7:30:00 AM

State Water Project

Inflows		Deliveries			
A	BBMWD In-lieu	20.0	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	10.4
D	Purchased Water	0.0	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	3.0
G	Total SWP Inflows	20.0	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	0.6
			U	M/C spreading at Zanja Tate	0.0
			V	Total SWP Deliveries	20.0

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	9.0
Y1	Redlands Sandbox Spill	0.3
minus		
F1	Greenspot Spill	1.5
D1	BVMWC River PU (USGS)	8.4
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	7.0
E2	Boullioun Box to Zanja	0.0
F2	SBVWCD Mill Creek Spreading	0.0
B1	BVMWC Highline	7.0
Other		
J1	Big Bear Lake Release	1.5
L1	SCE SAR AVM (SCADA)	8.1
X1	SAR-MC Spread (Red. Aqueduct)	0.0

SOD Release Subtotal		
D1	BVMWC River PU (USGS)	8.4
E1	Main River Gage (USGS)	0.0
Z1	SOD Release Subtotal	8.4
Seven Oaks Dam		
w	Observation at SOD	2146.2
x	SOD Reservoir Elevation (scada)	2151.3
y	Debris Pool Elevation	0.0

Total SAR Inflows		
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	7.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	8.4
F1	Greenspot Spill	1.5
E1	Main River Gage (USGS)	0.0
D1a	BV Pick-Up gated	☐
A5	Total SAR Inflows	16.9

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	7.0
		minus
B2	Gay Overflow	4.6
C2	Irrigation	2.4

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	9.0
Y1	Redlands Sandbox Spill	0.3
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	7.0
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	16.9

Mill Creek Inflows

Total MC Inflows		
A3	RPU Flow	3.2
B3	M/C #3 Penstock	4.2
C3	SBVWCD Mill Creek Diversion	0.0
D3	Total MC Inflows	7.4

Other		
E3	M/C #1 Penstock Flow	7.4
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	6.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	21.6
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	0.0	T3	Mill Creek #1 Flow (Cooley Hat)	7.4	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.4	U3	Total MC Deliveries	7.4	V3	Zanja West Weir to CWC Canal	6.5
			T3	MC #1 Flow (Cooley Hat)	7.4				W3	Mill Creek PH #2,3 Afterbay Spill	0.0
SBVWCD MC Spreading									Y3	Crafton Reservoir Level (21.3)	13.0

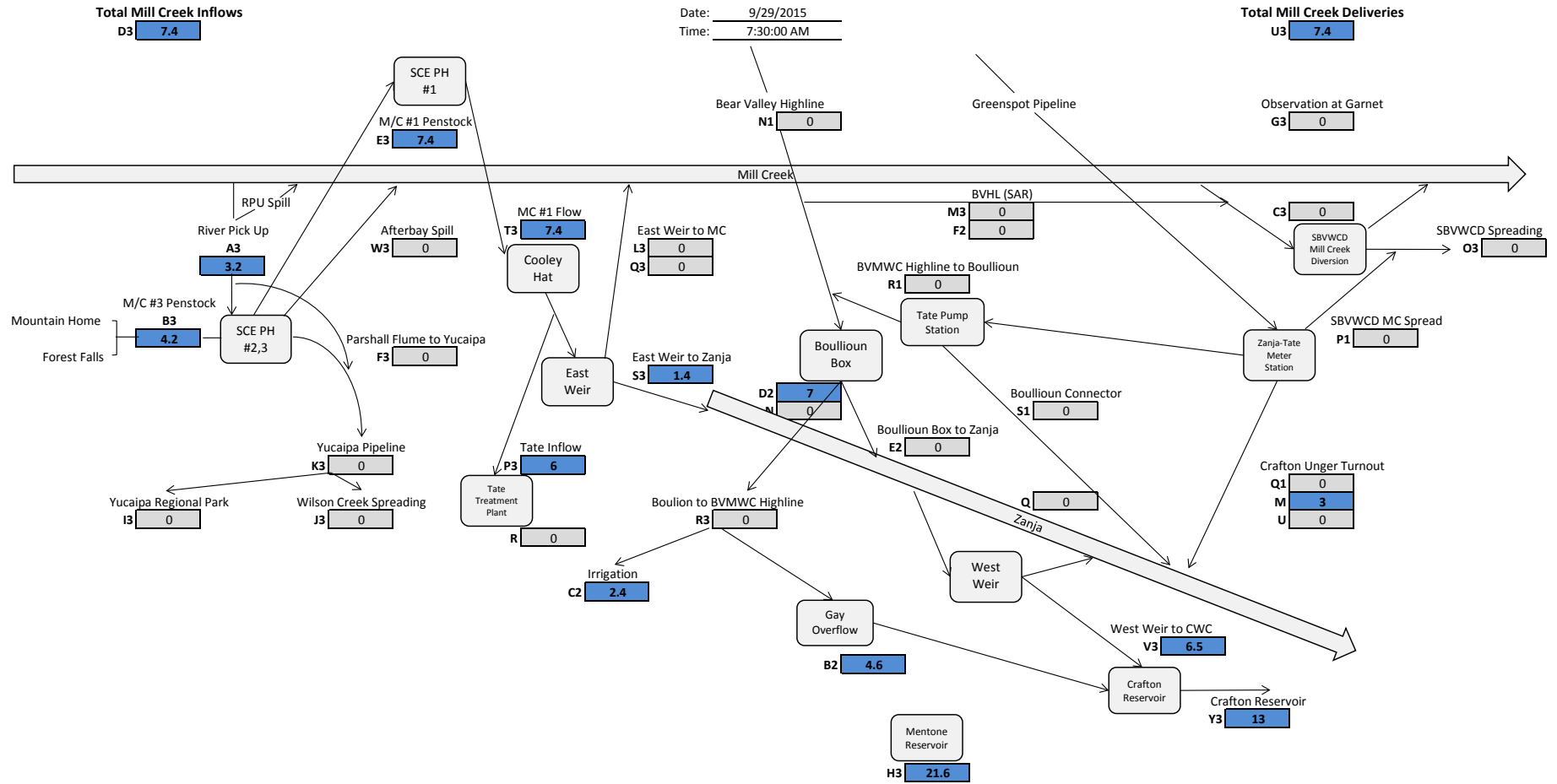
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,982.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	1,080.2	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

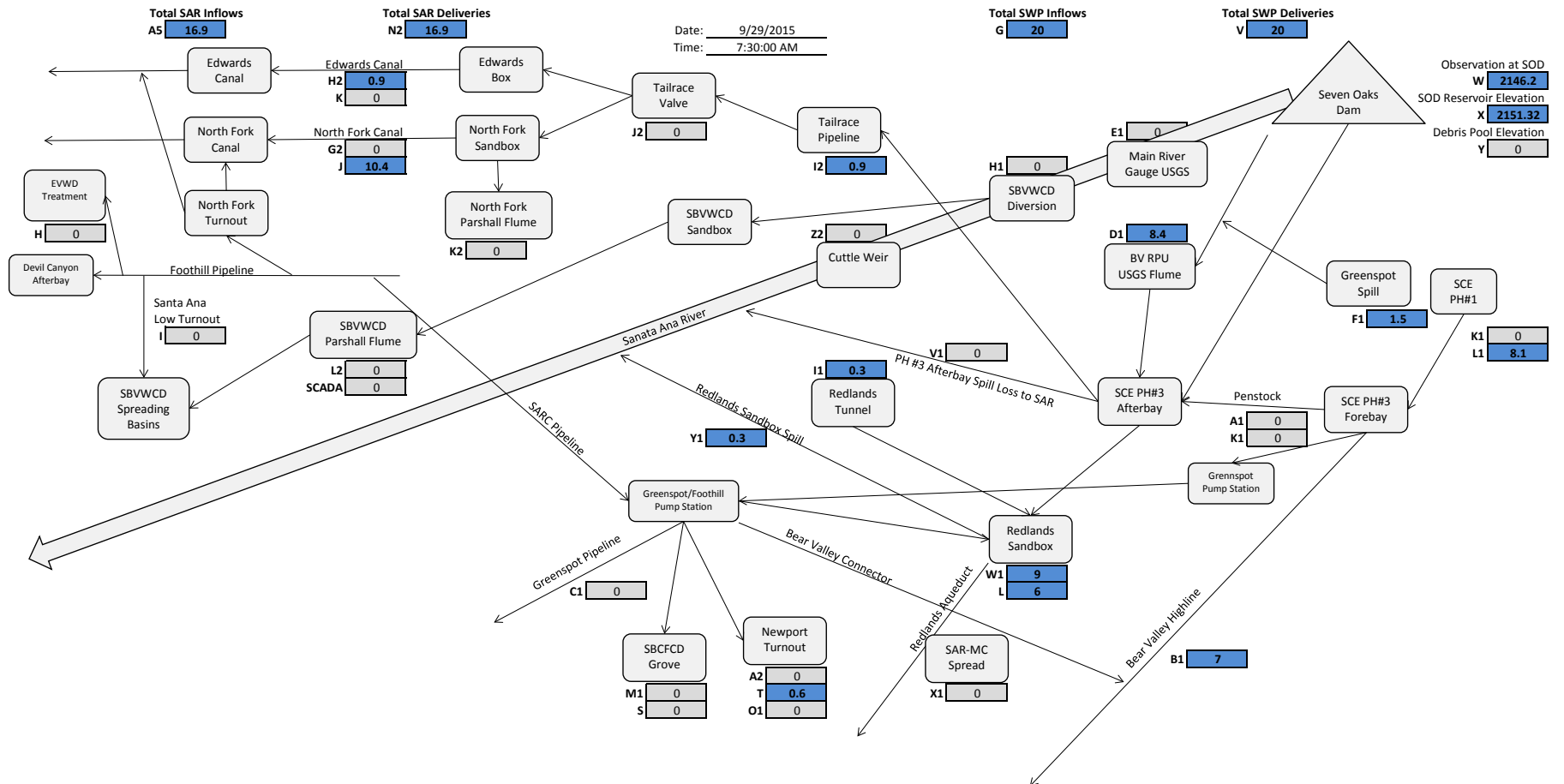
Santa Ana River - Mill Creek Cooperative Water Project

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: 9/30/2015

Time: 6:45:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	15.4
N2	Total SAR Deliveries	15.4
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	6.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
L2	SBVMWD Parshall Flume	0.0
G2	North Fork Canal Weir	0.0
H2	Edwards Canal	1.0
W1	Redlands Aqueduct/Sandbox	7.5

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	7.0
U3	Total MC Deliveries	7.0
K3	Yucaipa Pipeline	0.0
O3	SBVMWD Spreading	0.0
T3	MC #1 Flow (Cooley Hat)	7.0

Reservoir Levels	Feet
Observation at SOD	2146.2
Crafton Reservoir Level (21.3)	16.4
Mentone Reservoir Level	19.6

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	25.0
V	Total SWP Deliveries	25.0
J	Northfork Canal	10.4
L	Redlands Aqueduct	6.0
M	Crafton Unger Lane	8.6
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	2,982	123,000
Santa Ana River to Mill Creek	SAR-MC	134	0
Santa Ana River	SWP	81	0
Mill Creek	MC	1,080	73,800
Mill Creek	SWP	0	714
SBVMWD	SWP	0	0
WMWD	SWP	0	0

Notes: As of June 1st, all East Valley and Redlands SWP water is In Lieu water, and not purchased.

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report

Date: 9/30/2015
Time: 6:45:00 AM

State Water Project

Inflows			Deliveries		
A	BBMWD In-lieu	25.0	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	10.4
D	Purchased Water	0.0	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	8.6
G	Total SWP Inflows	25.0	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	25.0

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)		6.8	A1	SAR PH #3 Penstock (calc)	0.0			
H2	Edwards Canal	1.0	D2	Boullioun Box Weir	6.8	E1	Main River Gage (USGS)		0.0	B1	BVMWC Highline	6.8			
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	Z1	SOD Release Subtotal			6.8	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					6.8	W	Observation at SOD	2146.2	D1	BVMWC River PU (USGS)	6.8
W1	Redlands Aqueduct / Sandbox	7.5							X	SOD Reservoir Elevation (scada)		2151.3	F1	Greenspot Spill	1.8
Y1	Redlands Sandbox Spill	0.4	Other			Y	Debris Pool Elevation		0.0	E1	Main River Gage (USGS)	0.0			
		minus				J1	Big Bear Lake Release		1.5	D1a	BV Pick-Up gated	☐			
F1	Greenspot Spill	1.8				L1	SCE SAR AVM (SCADA)		8.4	A5	Total SAR Inflows		15.4		
D1	BVMWC River PU (USGS)	6.8	X1	SAR-MC Spread (Red. Aqueduct)		0.0									
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		
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	6.8
minus		
B2	Gay Overflow	3.1
C2	Irrigation	3.7

Deliveries		
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	7.5
Y1	Redlands Sandbox Spill	0.4
Z2	Cuttle Weir To River	0.0
B1	BVMWC Highline	6.8
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	1.0
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	15.4

Mill Creek Inflows

Total MC Inflows			Other		
A3	RPU Flow	3.2	E3	M/C #1 Penstock Flow	7.0
B3	M/C #3 Penstock	3.8	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows	7.0			

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	19.6
j3	Wilson Creek Spreading	0.0	q3	East Weir to Mill Creek	0.0	t3	Mill Creek #1 Flow (Cooley Hat)	7.0	r3	Boullioun to BVMWC Highline	0.0
k3	Yucaipa Pipeline	0.0	s3	East Weir to Zanja	1.7	u3	Total MC Deliveries	7.0	v3	Zanja West Weir to CWC Canal	6.0
			t3	MC #1 Flow (Cooley Hat)	7.0			w3	Mill Creek PH #2,3 Afterbay Spill	0.0	
SBVWCD MC Spreading									y3	Crafton Reservoir Level (21.3)	16.4

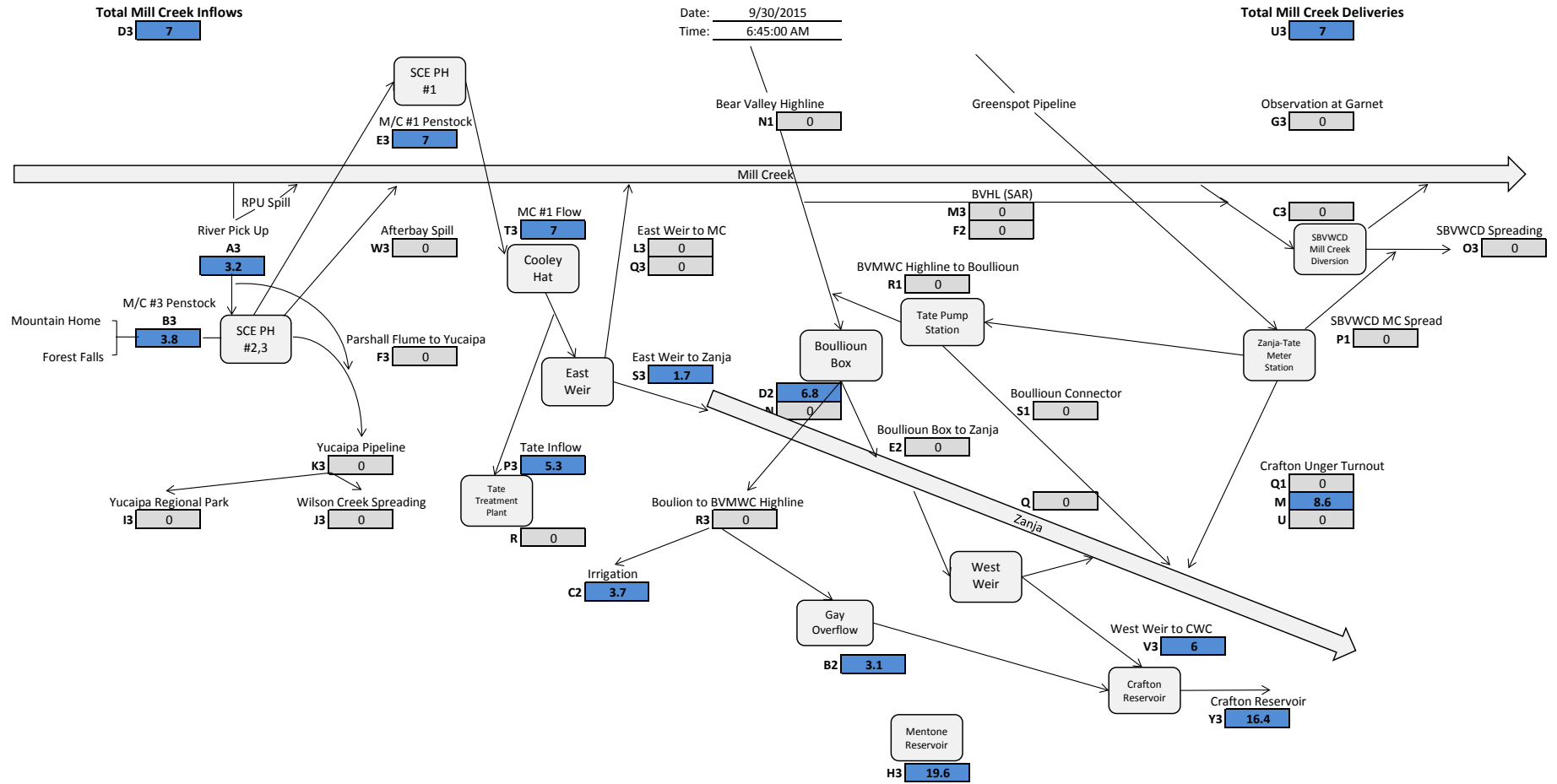
SBVWCD MC Spreading		
C3	SBVWCD Mill Creek Diversion	0.0
L3	East Weir (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	SBVWCD MC Spreading	0.0

SBVWCD Recharge

Location		Type	Previous Day (AF)		WY To Date (AF)		Target	
A4	Santa Ana River	SAR	E4	0.0	I4	2,982.1	123,000	
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	0.0	O4	133.7		
B4	Santa Ana River	SWP	F4	0.0	J4	81.0		
C4	Mill Creek	MC	G4	0.0	K4	1,080.2	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

