Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 6/3/2024

Time: 7:15:00 AM

Santa Ana River		Flow Rate (cfs)
A5	**Total SAR Inflows**	77.8
N2	**Total SAR Deliveries**	77.8
A1	SAR PH#3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	2.5
G2	North Fork Canal Weir	4.3
H2	Edwards Canal	0.8
W1	Redlands Aqueduct (calc)	18.9
Z2	Cuttle Weir to River	51.3

Mill Creek		Flow Rate (cfs)
D3	**Total MC Inflows**	58.7
U3	**Total MC Deliveries**	58.7
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	44.0
T3	MC #1 Flow (Cooley Hat)	14.7

Reservoir Levels	Feet
Observation at SOD	2177.5
Crafton Reservoir Level (21.3)	17.0
Mentone Reservoir Level	18.5

State Water Project		Flow Rate (cfs)
G	**Total SWP Inflows**	8.0
V	**Total SWP Deliveries**	8.0
J	Northfork Canal	3.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

River Recharge	AF
Estimate SAR Recharge (AF)	91
Estimate Mill Creek Recharge (AF)	13
Estimated Total River Recharge (AF)	104

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	23,627	176,000
Santa Ana River to Mill Creek	SAR-MC	332	0
Santa Ana River to Mill Creek	SWP	1,696	0
Santa Ana River	SWP	6,045	0
Mill Creek	MC	9,157	106,000
Mill Creek	SWP	8,999	0
Plunge Creek	PLC	1,276	0

Notes: Numbers on the Daily Flow Report are a snapshot of water at a given location at the time of the read, normally very early in the morning. Water in the Redlands Sandbox spill is coming from the Redlands Aqueduct.

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Date: 6/3/2024
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State Water Project

	Inflows	
A	BBMWD In-lieu	0.0
B	Muni test at Greenspot Station	0.0
C	Exchange Water	0.0
D	Purchased Water	8.0
E	Redlands Aqueduct Leakage	0.0
F	Recharge Project	0.0
G	**Total SWP Inflows**	**8.0**

	Deliveries	
H	EVWD City Creek	0.0
I	Santa Ana Low Turnout	0.0
J	Northfork Canal	3.0
K	Edwards Canal	0.0
L	Redlands Aqueduct	0.0

	Deliveries	
M	Crafton Unger Lane	0.0
N	BVMWC Boullioun Box	5.0
P	SARC West	0.0
Q	Zanja	0.0
R	Tate Treatment Plant	0.0

	Deliveries	
S	SBCFCD Grove	0.0
T	Newport for BVMWC	0.0
U	M/C spreading at Zanja Tate	0.0
W	Tres Lagos	0.0
V	**Total SWP Deliveries**	**8.0**

Santa Ana River Inflows

	SAR PH #3 Penstock (calc)	
G2	Northfork Canal Weir	4.3
H2	Edwards Canal	0.8
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	19.7
Y1	Redlands Sandbox Spill	0.0
D1	BVMWC River PU (USGS)	24.0
I1	Redlands Tunnel	0.8
A1	**SAR PH #3 Penstock (calc)**	**0.0**
K1	**PH3# Penstock (SCADA)**	**0.0**

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

	Other	
J1	Big Bear Lake Release	0.6
L1	SCE SAR AVM (SCADA)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0

	SOD Release Subtotal	
D1	BVMWC River PU (USGS)	24.0
E1	Main River Gage (USGS)	53.8
	minus	
F1	Greenspot Spill	0.0
Z1	**SOD Release Subtotal**	**77.8**

W	Observation at SOD	2177.5
X	SOD Reservoir Elevation (scada)	2176.8
Y	Debris Pool Elevation	N/A

	Total SAR Inflows	
A1	SAR PH #3 Penstock (calc)	0.0
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
D1	BVMWC River PU (USGS)	24.0
E1	Main River Gage (USGS)	53.8
D1a	BV Pick-Up gated	
A5	**Total SAR Inflows**	**77.8**

Edison Generation	
SAR PH#1 Generating	
SAR PH#3 Generating	

Santa Ana River Deliveries

	Greenspot Pipeline	
M1	Redlands sand box	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	Tres Lagos	0.0
T1	Tate Pump Station to Zanja	0.0
C1	**Greenspot Pipeline**	**0.0**

	Tailrace Pipeline	
G2	Northfork Canal Weir	4.3
H2	Edwards Canal	0.8
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I2	**Tailrace Pipeline**	**5.1**

	Irrigation	
D2	Boullioun Box Weir	0.0
R1	BVMWC Highline to Boullioun	0.0
N	BVMWC Boullioun Box	5.0
	minus	
B2	Gay Overflow	3.0
C2	**Irrigation**	2.0

	SBVWCD Parshall FlumeTo Basins	
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
H1	SBVWCD Diversion	2.5
	Sedimentation Basin Recharge	0.0
L2	**SBVWCD Parshall Flume**	**2.5**
	Parshall Flume (SCADA)	**2.3**

	Deliveries	
V1	SAR PH #3 Afterbay Spill	0.0
W1	Redlands Aqueduct / Sandbox	19.7
Y1	Redlands Sandbox Spill	0.0
Z2	Cuttle Weir To River	51.3
B1	BVMWC Highline	0.0
C1	Greenspot Pipeline	0.0
I2	Tailrace Pipeline	5.1
L2	SBVWCD Parshall Flume	2.5
L2	Sedimentation Recharge	0.0
		minus
J2	Tailrace Valve to Parshall Flume	0.0
K2	Northfork Parshall Flume	0.0
I1	Redlands Tunnel	0.8
N2	**Total SAR Deliveries**	**77.8**

Mill Creek Inflows

	Total MC Inflows	
A3	RPU Flow	0.0
B3	M/C #3 Penstock	14.7
C3	SBVWCD Mill Creek Diversion	44.0
D3	**Total MC Inflows**	**58.7**

	Other	
E3	M/C #1 Penstock Flow	14.7
F3	Stream Parshall Flume to Yucaipa	0.0
G3	Observation at Garnet	8.0

Mill Creek Deliveries

	Yucaipa Pipeline	
H3	Yucaipa Regional Park	0.0
J3	Wilson Creek Spreading	0.0
K3	**Yucaipa Pipeline**	**0.0**

	SBVWCD MC Spreading	
C3	SBVWCD Mill Creek Diversion	44.0
L3	East Weir Recharge (MC)	0.0
M3	BVHL (SAR)	0.0
X1	SAR-MC Spread (Red. Aqueduct)	0.0
O3	**SBVWCD MC Spreading**	**44.0**

	MC #1 Flow (Cooley Hat)	
P3	Tate Inflow	9.3
Q3	East Weir to Mill Creek	0.0
S3	East Weir to Zanja	5.4
T3	**MC #1 Flow (Cooley Hat)**	**14.7**
N3	**Cooley Hat (SCADA)**	**14.6**

	Total MC Deliveries	
C3	SBVWCD Mill Creek Diversion	44.0
T3	Mill Creek #1 Flow (Cooley Hat)	14.7
U3	**Total MC Deliveries**	**58.7**

	Other	
H3	Mentone Reservoir Level	18.5
R3	Boullioun to BVMWC Highline	0.0
V3	Zanja West Weir to CWC Canal	1.9
W3	Mill Creek PH #2,3 Afterbay Spill	0.0
Y3	Crafton Reservoir Level (21.3)	17.0

SBVWCD Recharge

Location		Type
A4	Santa Ana River	SAR
M4	Santa Ana Rvr to Mill Creek	SAR-MC
	Santa Ana Rvr to Mill Creek	SWP
B4	Santa Ana River	SWP
C4	Mill Creek	MC
D4	Mill Creek	SWP
	Plunge Creek	PLC

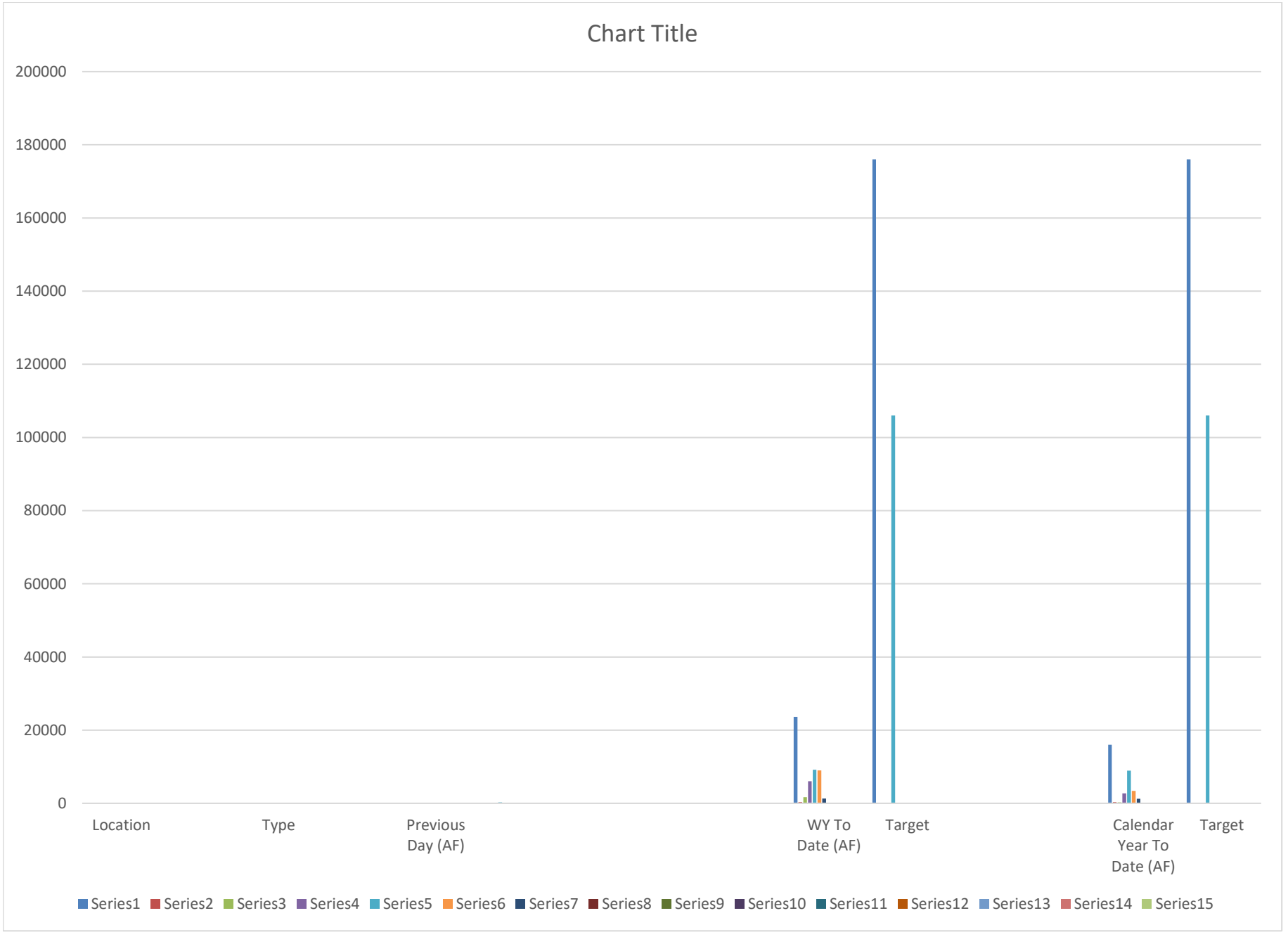
Previous Day (AF)		
E4	14.9	
N4	0.0	
	0.0	
F4	0.0	
G4	261.8	
H4	0.0	
	17.9	

WY To Date (AF)		Target
I4	23,627.3	176,000
O4	332.4	
	1,695.9	
J4	6,044.6	
K4	9,157.1	106,000
L4	8,999.2	
	1,276.0	

Calendar Year To Date (AF)		Target
I4	16,016.9	176,000
O4	325.9	
	286.5	
J4	2,714.6	
K4	8,948.1	106,000
L4	**3,369.5**	
	1,254.4	

SAR Passing Cuttle Weir (cfs)	51	Share of Lost SAR Flow	38.929	Estimate SAR flow (cfs)	12
Mill Creek Passing Garnet (cfs)	8	Share of Lost Mill Creek Flow	6	Estimate Mill Creek flow (cfs)	2
Flow in the River Above Alabama	59	Flowing Beyond Alabama	45	Total River Flow (cfs)	14

Estimate SAR Recharge (AF)	91
Estimate Mill Creek Recharge (AF)	13
Total River Recharge (AF)	104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Type
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Series1
Series2
Series3
Series4
Series5
Series6
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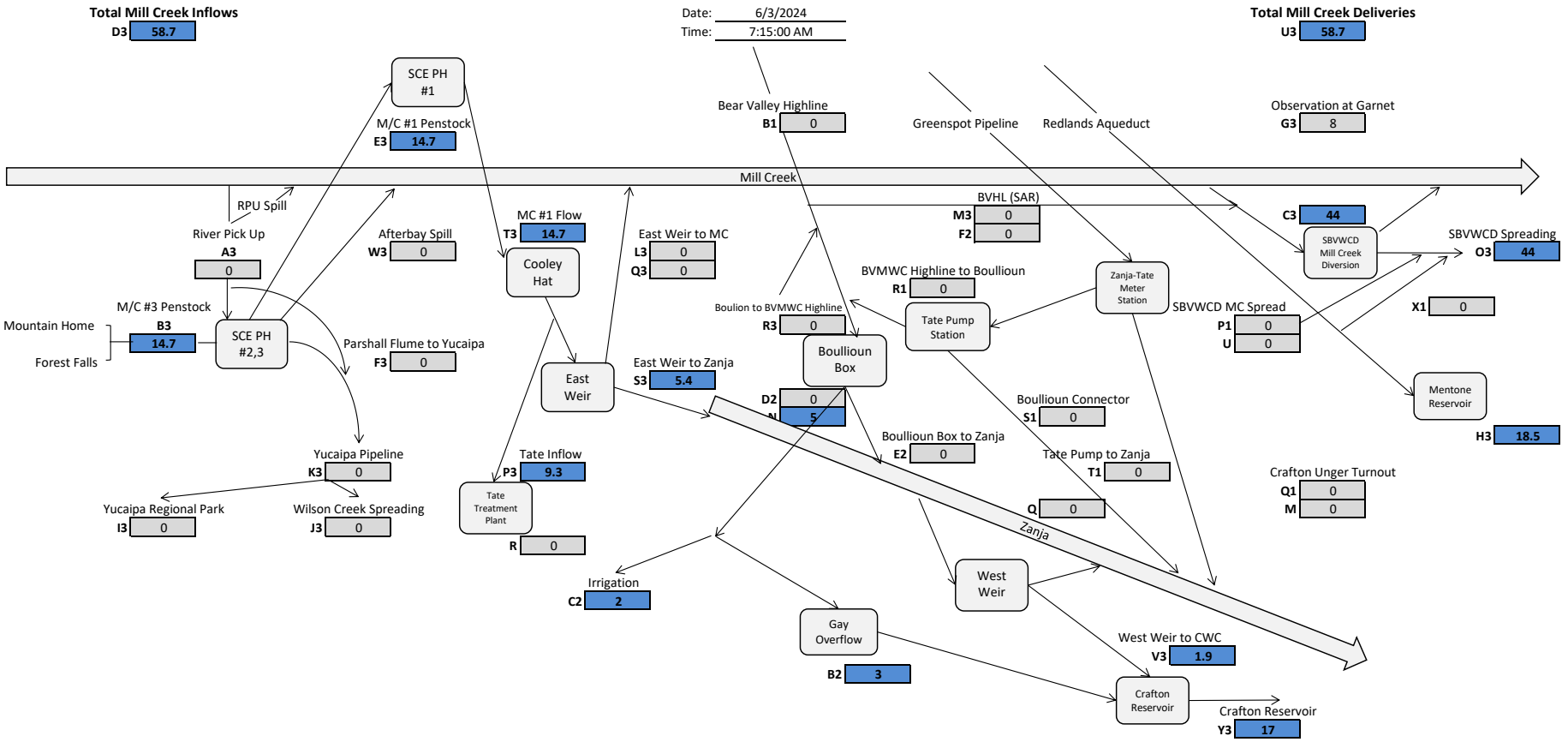
Santa Ana River - Mill Creek Cooperative Water Project
Mill Creek Stations



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