

C A C H U M A
 Santa Ynez River - Downstream Users Accounting
 May 2016

SUMMARY

RESERVOIR		Computed Inflow	383.2
	Releases		163.0
	Fish	163.0	
	Water rights	0.0	
	Leakage	0.0	
	Spills		0.0
	Valves	0.0	
	Spillway	0.0	
	Leakage	0.0	
		Total Downstream Releases . .	163.0
	Diversions		1335.6
	South Coast	1333.3	
	Park (SYRWCD ID #1)	2.3	
	SYRWCD ID #1	0.0	
		Total Reservoir Outflows . .	1498.6
	CCWA Inflow	1309.2	
	Releases Affecting Accounts	0.0	
	Project Savings	0.0	
ABOVE NARROWS ACCOUNT (ANA)			
	Previous Months ANA		2440.0
	ANA Credit	383.2	
	Releases from ANA	0.0	
	BNA Releases Not Reaching Narrows	0.0	
	ANA Dewatered Storage: Current	21941.0	
	Previous	20533.0	
	Change	1408.0	
	Spills Reducing ANA	0.0	
	Current ANA		2823.2
BELOW NARROWS ACCOUNT (BNA)			
	Previous Months BNA		4555.0
	Measured Flow at Narrows	0.0	
	Salsipuedes Creek Contribution	4.9	
	Releases from BNA	0.0	
	BNA Releases Reaching Narrows	0.0	
	Constructive Flow at Narrows	0.0	
	Elevation of Indicator well (feet)	58.5	
	Percolation from Measured Flow	0.0	
	Percolation from Constructive Flow	0.0	
	BNA Credit	0.0	
	Spills Reaching Narrows	0.0	
	BNA Dewatered Storage: Current	22092.0	
	Previous	21883.0	
	Change	209.0	
	Spills Reducing BNA	0.0	
	Current BNA		4555.0

Notes: All values are in acre-feet unless otherwise indicated.
 Date of Report: 06/13/2016
 USING SAN LUCAS CREEK AS FIRST CHECKPOINT
 UPSTREAM OPERATIONS ADJUSTMENT ALL NEG OR ZERO

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 May 2016

DAILY OPERATIONS

DAY	Live Stream Checkpoints						NARROWS CFS	34W/7N 22L2 ELEV	ABOVE NARROWS		BELOW NARROWS RELEASE
	SAN LUCAS BRIDGE	MISSION BRIDGE	HIGHWAY 101 BRIDGE	SANTA ROSA DAMSITE	ROBINSON BRIDGE	FLORADALE BRIDGE			CREDIT	RELEASE	
1	0	0	0	0	0	0	0.0	58.5 E	7.3	0.0	0.0
2	0	0	0	0	0	0	0.0	58.5 E	21.4	0.0	0.0
3	0	0	0	0	0	0	0.0	58.5 E	25.6	0.0	0.0
4	0	0	0	0	0	0	0.0	58.5 E	25.0	0.0	0.0
5	0	0	0	0	0	0	0.0	58.5 E	13.6	0.0	0.0
6	0	0	0	0	0	0	0.0	58.5 E	2.9	0.0	0.0
7	0	0	0	0	0	0	0.0	58.5 E	18.3	0.0	0.0
8	0	0	0	0	0	0	0.0	58.5 E	12.5	0.0	0.0
9	0	0	0	0	0	0	0.0	58.5 E	11.5	0.0	0.0
10	0	0	0	0	0	0	0.0	58.5 E	8.0	0.0	0.0
11	0	0	0	0	0	0	0.0	58.5 E	15.4	0.0	0.0
12	0	0	0	0	0	0	0.0	58.5 E	15.9	0.0	0.0
13	0	0	0	0	0	0	0.0	58.5 E	21.4	0.0	0.0
14	0	0	0	0	0	0	0.0	58.5 E	7.3	0.0	0.0
15	0	0	0	0	0	0	0.0	58.5 E	-3.0	0.0	0.0
16	0	0	0	0	0	0	0.0	58.5 E	13.3	0.0	0.0
17	0	0	0	0	0	0	0.0	58.5 E	16.8	0.0	0.0
18	0	0	0	0	0	0	0.0	58.5 E	11.4	0.0	0.0
19	0	0	0	0	0	0	0.0	58.5 E	15.6	0.0	0.0
20	0	0	0	0	0	0	0.0	58.5 E	9.6	0.0	0.0
21	0	0	0	0	0	0	0.0	58.5 E	-1.5	0.0	0.0
22	0	0	0	0	0	0	0.0	58.5 E	15.9	0.0	0.0
23	0	0	0	0	0	0	0.0	58.5 E	-0.6	0.0	0.0
24	0	0	0	0	0	0	0.0	58.5 E	10.1	0.0	0.0
25	0	0	0	0	0	0	0.0	58.5 E	7.1	0.0	0.0
26	0	0	0	0	0	0	0.0	58.5	11.3	0.0	0.0
27	0	0	0	0	0	0	0.0	58.5 E	2.4	0.0	0.0
28	0	0	0	0	0	0	0.0	58.5 E	12.0	0.0	0.0
29	0	0	0	0	0	0	0.0	58.5 E	27.0	0.0	0.0
30	0	0	0	0	0	0	0.0	58.5 E	10.5	0.0	0.0
31	0	0	0	0	0	0	0.0	58.5 E	19.2	0.0	0.0
Totals							0.0		383.2	0.0	0.0

Notes: All values are in acre-feet unless otherwise indicated.
 A letter following the data means: E = estimated data
 A = adjusted data

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DAILY RESERVOIR OPERATIONS

Day	Elevation	Storage	Change	CCWA	Precip.	Evap.	Leakage	Diversions			Releases		Spills		
								Park (ID #1)	SYRWCD ID #1	South Coast	Fish	Water Rights	Valve	Spillway	
	664.78	28399.5													
1	664.75	28372.5	-27.0	42.8	0.0	22.9	0.0	0.1	0.0	46.1	8.0	0.0	0.0	0.0	0.0
2	664.74	28363.5	-9.0	42.8	0.0	20.4	0.0	0.1	0.0	45.7	7.0	0.0	0.0	0.0	0.0
3	664.73	28354.5	-9.0	42.8	0.0	22.6	0.0	0.1	0.0	46.7	8.0	0.0	0.0	0.0	0.0
4	664.72	28345.5	-9.0	42.8	0.0	23.0	0.0	0.1	0.0	46.7	7.0	0.0	0.0	0.0	0.0
5	664.70	28327.5	-18.0	42.9	0.0	18.8	0.0	0.1	0.0	47.6	8.0	0.0	0.0	0.0	0.0
6	664.69	28318.6	-9.0	42.9	0.0	11.5	0.0	0.1	0.0	36.2	7.0	0.0	0.0	0.0	0.0
7	664.73	28354.5	36.0	42.8	26.8	9.6	0.0	0.1	0.0	35.3	7.0	0.0	0.0	0.0	0.0
8	664.73	28354.5	0.0	42.9	0.0	11.7	0.0	0.1	0.0	35.6	8.0	0.0	0.0	0.0	0.0
9	664.72	28345.5	-9.0	42.8	0.0	20.9	0.0	0.1	0.0	35.3	7.0	0.0	0.0	0.0	0.0
10	664.71	28336.5	-9.0	42.9	0.0	15.6	0.0	0.1	0.0	36.2	8.0	0.0	0.0	0.0	0.0
11	664.71	28336.5	0.0	42.8	0.0	19.3	0.0	0.1	0.0	33.8	5.0	0.0	0.0	0.0	0.0
12	664.71	28336.5	0.0	42.8	0.0	21.1	0.0	0.1	0.0	33.5	4.0	0.0	0.0	0.0	0.0
13	664.71	28336.5	0.0	42.8	0.0	24.8	0.0	0.1	0.0	35.3	4.0	0.0	0.0	0.0	0.0
14	664.69	28318.6	-18.0	42.7	0.0	19.9	0.0	0.1	0.0	43.0	5.0	0.0	0.0	0.0	0.0
15	664.66	28291.6	-27.0	42.7	0.0	19.0	0.0	0.1	0.0	43.6	4.0	0.0	0.0	0.0	0.0
16	664.65	28282.6	-9.0	42.7	0.0	16.4	0.0	0.1	0.0	44.5	4.0	0.0	0.0	0.0	0.0
17	664.64	28273.6	-9.0	42.6	0.0	20.3	0.0	0.1	0.0	43.0	5.0	0.0	0.0	0.0	0.0
18	664.62	28255.6	-18.0	42.6	0.0	24.9	0.0	0.1	0.0	43.0	4.0	0.0	0.0	0.0	0.0
19	664.59	28229.1	-26.5	42.5	0.0	28.9	0.0	0.1	0.0	51.6	4.0	0.0	0.0	0.0	0.0
20	664.56	28202.6	-26.5	42.4	0.0	21.4	0.0	0.1	0.0	53.1	4.0	0.0	0.0	0.0	0.0
21	664.53	28176.1	-26.5	42.5	0.0	18.3	0.0	0.1	0.0	45.1	4.0	0.0	0.0	0.0	0.0
22	664.51	28158.4	-17.7	42.3	0.0	23.6	0.0	0.1	0.0	48.2	4.0	0.0	0.0	0.0	0.0
23	664.50	28149.5	-8.8	42.3	0.0	21.9	0.0	0.1	0.0	23.6	5.0	0.0	0.0	0.0	0.0
24	664.49	28140.7	-8.8	42.3	0.0	21.8	0.0	0.1	0.0	35.3	4.0	0.0	0.0	0.0	0.0
25	664.47	28123.0	-17.7	42.2	0.0	17.8	0.0	0.1	0.0	45.1	4.0	0.0	0.0	0.0	0.0
26	664.45	28105.3	-17.7	42.3	0.0	19.9	0.0	0.1	0.0	47.3	4.0	0.0	0.0	0.0	0.0
27	664.41	28070.0	-35.4	42.3	0.0	18.0	0.0	0.1	0.0	58.0	4.0	0.0	0.0	0.0	0.0
28	664.36	28025.8	-44.2	30.8	0.0	23.0	0.0	0.1	0.0	59.9	4.0	0.0	0.0	0.0	0.0
29	664.33	27999.2	-26.5	42.4	0.0	28.3	0.0	0.1	0.0	63.6	4.0	0.0	0.0	0.0	0.0
30	664.32	27990.4	-8.8	42.5	0.0	18.2	0.0	0.1	0.0	39.6	4.0	0.0	0.0	0.0	0.0
31	664.32	27990.4	0.0	42.3	0.0	25.7	0.0	0.1	0.0	31.8	4.0	0.0	0.0	0.0	0.0
Totals			-409.0	1309.2	26.8	629.6	0.0	2.3	0.0	1333.3	163.0	0.0	0.0	0.0	0.0

Notes: Elevations in feet, all other values are in acre-feet.

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 May 2016

SUMMARY OF DAILY RESERVOIR OPERATIONS

Day	Computed Inflow	Combined Releases	Combined Spills	Total Down Stream	Combined Diversions	Upstream Operations Adjustment	Above Narrows Credit	
							Regular Credit	Adjusted Credit
1	7.3	8.0	0.0	8.0	46.2	0.0	7.3	7.3
2	21.4	7.0	0.0	7.0	45.8	0.0	21.4	21.4
3	25.6	8.0	0.0	8.0	46.8	0.0	25.6	25.6
4	25.0	7.0	0.0	7.0	46.8	0.0	25.0	25.0
5	13.6	8.0	0.0	8.0	47.7	0.0	13.6	13.6
6	2.9	7.0	0.0	7.0	36.3	0.0	2.9	2.9
7	18.3	7.0	0.0	7.0	35.4	0.0	18.3	18.3
8	12.5	8.0	0.0	8.0	35.7	0.0	12.5	12.5
9	11.5	7.0	0.0	7.0	35.4	0.0	11.5	11.5
10	8.0	8.0	0.0	8.0	36.3	0.0	8.0	8.0
11	15.4	5.0	0.0	5.0	33.9	0.0	15.4	15.4
12	15.9	4.0	0.0	4.0	33.6	0.0	15.9	15.9
13	21.4	4.0	0.0	4.0	35.4	0.0	21.4	21.4
14	7.3	5.0	0.0	5.0	43.1	0.0	7.3	7.3
15	-3.0	4.0	0.0	4.0	43.7	0.0	-3.0	-3.0
16	13.3	4.0	0.0	4.0	44.6	0.0	13.3	13.3
17	16.8	5.0	0.0	5.0	43.1	0.0	16.8	16.8
18	11.4	4.0	0.0	4.0	43.1	0.0	11.4	11.4
19	15.6	4.0	0.0	4.0	51.7	0.0	15.6	15.6
20	9.6	4.0	0.0	4.0	53.2	0.0	9.6	9.6
21	-1.5	4.0	0.0	4.0	45.2	0.0	-1.5	-1.5
22	15.9	4.0	0.0	4.0	48.3	0.0	15.9	15.9
23	-0.6	5.0	0.0	5.0	23.7	0.0	-0.6	-0.6
24	10.1	4.0	0.0	4.0	35.4	0.0	10.1	10.1
25	7.1	4.0	0.0	4.0	45.2	0.0	7.1	7.1
26	11.3	4.0	0.0	4.0	47.4	0.0	11.3	11.3
27	2.4	4.0	0.0	4.0	58.1	0.0	2.4	2.4
28	12.0	4.0	0.0	4.0	60.0	0.0	12.0	12.0
29	27.0	4.0	0.0	4.0	63.7	0.0	27.0	27.0
30	10.5	4.0	0.0	4.0	39.7	0.0	10.5	10.5
31	19.2	4.0	0.0	4.0	31.9	0.0	19.2	19.2
Totals	383.2	163.0	0.0	163.0	1335.6	0.0	383.2	383.2

Notes: All values are in acre-feet.

DEWATERED STORAGE REPORT

ABOVE NARROWS Ground Water Storage Indicator Wells

Node	Well	Current Elev		Previous Elev	Current DWSTR	DWSTR Change	Previous DWSTR	
1	6N/34W-02A06	72.6		63.6	1114.	-552.	1666.	
2	6N/34W-01G02	93.7	EST	95.7				
2	6N/33W-07E03	107.2		107.7				
	Average	100.4		101.7	1473.	166.	1307.	
3	6N/33W-06D04	113.1		115.3	1337.	120.	1217.	
4	6N/33W-06K02	124.9	EST	126.3	1339.	106.	1233.	
5	6N/33W-08E02	147.8	EST	149.2	181.	45.	136.	
6	6N/33W-08J02	154.9		156.7	638.	126.	512.	
7	6N/33W-16B01	162.3		162.7	365.	40.	325.	
8	6N/33W-11M01	189.0	EST	190.1	175.	28.	147.	
9	6N/33W-12L01	202.0		203.6	356.	82.	274.	
10	6N/32W-18C02	218.4		218.0	185.	-19.	204.	
11	6N/32W-08N04	229.2		229.7	310.	23.	287.	
12	6N/32W-17J02	242.0		241.9	364.	-6.	370.	
13	6N/32W-16G04	260.8	EST	260.8	0.	0.	0.	
14	6N/32W-09G01	266.0		266.1	696.	9.	687.	
15	6N/32W-13G02	304.5		305.1				
15	6N/32W-11D01	279.4	EST	279.9	EST			
	Average	292.0		292.5	1919.	131.	1788.	
16	6N/31W-17D01	314.9		315.1	2693.	30.	2663.	
17	6N/31W-17R01	329.5		332.1	2177.	233.	1944.	
	Node 18 has been combined with node 17							
	Node 19 has been combined with node 20							
20	6N/31W-22F01	367.1		368.7	3334.	216.	3118.	
21	6N/31W-24K02	414.7		414.2	275.	-25.	300.	
22	6N/30W-29E01	440.9		441.5	1042.	55.	987.	
23	6N/30W-21E01	469.2	EST	473.2	EST			
23	6N/30W-20H02	458.1		463.2				
	Average	463.7		468.2	356.	220.	136.	
24	6N/30W-22C02	487.4	EST	491.2	809.	147.	662.	
25	6N/30W-24E05	526.9		529.6	803.	233.	570.	

	Current DWSTR	DWSTR Change	Previous DWSTR
Santa Rita sub-basin (nodes 1-13)	7837.	159.	7678.
Buellton sub-basin (nodes 14-17)	7485.	403.	7082.
Santa Ynez sub-basin (nodes 20-25)	6619.	846.	5773.
Basin totals	21941.	1408.	20533.

BELOW NARROWS Ground Water Storage Indicator Wells

Node	Well	Current Elev		Previous Elev	Current DWSTR	DWSTR Change	Previous DWSTR
A	7N/34W-22M06	51.3		51.7	1123.	21.	1102.
B	7N/34W-26B04	43.6		44.4	2622.	79.	2543.
C	7N/34W-27F09	33.3		34.1	2918.	62.	2856.
D	7N/34W-26Q05	36.1		34.6	4470.	-78.	4548.
E	7N/34W-25F03	44.9		49.2	860.	40.	820.
F	6N/34W-04G04	42.8	EST	43.2	4259.	42.	4217.
G	7N/34W-34R01	54.6		54.1	3552.	-65.	3617.
H	7N/34W-35K09	36.2		39.1	2288.	108.	2180.
	Basin totals				22092.	209.	21883.

Notes:

1. A dewatered storage of zero means that the ground water basin, as defined, is full. In reality, storage exists above the full level, but is not considered in the accounting.
2. Elevations in feet, storages in acre-feet
3. Date of run: 06/13/2016