50 PERCENT EXCEEDANCE WATER SUPPLY FORECAST

SOUTH-CENTRAL CALIFORNIA AREA OFFICE (CVP) FORECAST OF MILLERTON LAKE OPERATIONS Water Year Index

Normal Wet

REPORT FOR JUNE CONTRACT YEAR 2010

MONTHS		SAN JOAQUIN NATURAL RIVER RUNOFF	L RIVER																						
						SAN JOAQUIN RIVER			MADERA CANAL			FRIANT-KERN CANAL													
			SCE	PG&E	Change	Inflow	Riparian	SJR Interim Flows	Total SJR Interim Flows	Flood Release	Total SJR Release	Class 1 Water	Class 2 Water	Uncontrolled Season/215	Carryover	Total MC Releases	Class 1 Water	Class 2 Water	Uncontrolled Season/215	Carryover	Total FKC Releases	Loss	Evap	Total Releases	Storage
EOM FEB			268.3	31.8																					305.3
MARCH	Е	141.8	213.8	31.2	-55.2	196.7	8.0	33.5	41.5	0.0	41.5	0.0	1.3	0.0	0.0	1.3	0.0	0.1	7.0	28.0	35.1	2.3	1.0	77.8	421.0
APRIL	Е	222.0	253.0	33.9	42.0	180.2	8.9	63.2	72.1	0.0	72.1	0.0	0.0	30.5	0.0	30.5	17.0	0.0	120.0	6.5	143.5	4.3	1.0	246.1	349.7
MAY	Е	383.5	383.7	34.6	131.3	251.9	11.7	77.9	89.6	0.0	89.6	0.0	0.0	56.0	0.0	56.0	61.0	0.0	200.0	0.0	261.0	1.1	1.7	406.5	192.2
JUNE	Е	760.0	534.1	34.3	150.1	609.9	11.3	15.7	27.0	0.0	27.0	37.0	33.4	0.0	0.0	70.4	118.0	77.6	0.0	0.0	195.6	16.6	7.9	293.0	484.6
JULY	Е	245.0	550.7	34.3	16.6	228.4	14.1	7.4	21.5	0.0	21.5	57.0	0.0	0.0	0.0	57.0	184.0	18.4	0.0	0.0	202.4	15.9	5.5	280.9	410.6
AUGUST 15	Е	40.0	522.3	34.3	-28.5	68.5	6.8	3.6	10.4	0.0	10.4	20.0	0.0	0.0	0.0	20.0	60.0	6.1	0.0	0.0	66.1	8.6	4.4	96.5	369.6
AUGUST 31	Е	30.0	493.8	34.3	-28.4	58.4	7.3	3.8	11.1	0.0	11.1	19.0	0.0	0.0	0.0	19.0	57.0	2.0	0.0	0.0	59.0	7.8	4.3	89.1	326.8
SEPTEMBER	Е	30.0	375.3	29.8	-123.0	153.0	12.5	8.3	20.8	0.0	20.8	14.0	0.0	0.0	0.0	14.0	76.0	0.0	0.0	0.0	76.0	9.0	5.3	110.8	354.7
SUB-TOTALS		1852.2			105.0	1746.9	80.7	213.4	294.0	0.0	294.0	147.0	34.7	86.5	0.0	268.2	573.0	104.2	327.0	34.5	1038.6	65.6	31.1	1600.8	
OCTOBER 15	Е	5.0	348.6	26.3	-30.3	35.3	4.8	5.7	10.4	0.0	10.4	3.0	0.0	0.0	0.0	3.0	25.0	0.0	0.0	0.0	25.0	2.8	1.6	38.4	347.2
OCTOBER 31	Е	5.0	321.8	22.7	-30.3	35.3	5.1	6.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	24.0	2.4	1.3	35.1	343.7
NOVEMBER	Е	15.0	309.5	22.7	-12.3	27.3	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	24.0	2.4	1.3	51.8	315.5
DECEMBER	Е	20.0	260.1	21.5	-50.6	70.6	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	1.0	1.0	9.9	374.2
JANUARY	Е	47.0	255.0	21.0	-5.6	52.6	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	7.1	417.7
FEBRUARY	Е	50.0	250.0	21.0	-5.0	55.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	11.0	1.1	1.0	30.4	440.1
SUB-TOTALS		142.0			-134.1	276.1	36.2	46.6	82.8	0.0	82.8	3.0	0.0	0.0	0.0	3.0	87.0	0.0	0.0	0.0	87.0	10.7	7.2	172.8	
TOTALS		1994.2			-29.1	2023.0	116.9	259.9	376.8	0.0	376.8	150.0	34.7	86.5	0.0	271.2	660.0	104.2	327.0	34.5	1125.6	76.3	38.3	1773.6	

FORECAST

I ONLOAD!									
FORECAST	RUNOFF	RUNOFF	APRIL-JULY	APRIL-JULY					
DWR	WATER YEAR	PERCENT OF AVG	RUNOFF	PERCENT OF AVG					
		WATER YEAR		RUNOFF					
10% EXCEEDANCE	2,200	125%	1670	132%					
50% EXCEEDANCE	2,141	122%	1610	128%					
90% EXCEEDANCE	2,020	115%	1540	122%					

NOTES/ASSUMPTIONS:

NUTES/AS	SUMPTIONS:							
1	All Storage Values are End of Month	Water Year Index	Critical Low	Critical High	Dry	Normal Dry	Normal Wet	Wet
2	E = Estimate, R = From Operational Records	Buffer Flows					38,021	
3	Units in Thousand Acre-Feet (TAF)	Unexpected Seepage Losses	40,000	40,000	40,000	40,000	40,000	40,000
4	Forecast Based on DWR's Water Supply Forecast Phone Conversation 05/06/10	Runoff Range Low	-	400,000	670,000	930,000	1,450,000	2,500,000
5	SCE EOM Storages Based on Water Plan 04/04/10	Runoff Range High	400,000	670,000	930,000	1,450,000	2,500,000	4,642,000
6	PG&E EOM Storages Based 2010 Water Plan Dated 02/01/2010	Forecast Water Year					2,141,005	
7	Canal Deliveries Based on water schedules	Riparian Flow Allocation					116,900	
8	Natural River from October thru February (AF) = 288,776	Interim Flow Allocation					380,206	
9	** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan	Total SJR Full Interim Allocation					497,106	
10	Restoration Administrator Recommendations for the 2010 Interim Flow Program	SJR Capacity Restriction Interim Allocation					376,801	
		** Difference					120,305	

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Water Year Index Normal Wet

REPORT FOR JUNE CONTRACT YEAR 2010

REPORT FOR JUNE CONTRACT TEAR 2010				8:00 AW
		MARCH	Aug 16	TOTALS
		Aug 15	Sep 30	
Calculated Uncontrolled San Joaquin River Runoff	+	1792	60	1852
Storage Retained in Upstream Reservoir Above Friant Dam	-	256	-151	105
Released into the San Joaquin River From Friant Dam	-	262	32	294
San Joaquin River Interim Flows		262	32	294
Deliveries from the San Joaquin River From Friant Dam	+	1	0	1
Losses in the Friant-Kern and Madera Canals	-	49	17	66
Calculated Evaporation from Millerton Lake	-	22	10	31
Supply Retained in Millerton at End of February above 135,000 AF	+	170	0	170
Soquel Water Supplied into System	-	5	5	10
Friant Dam Operational Spill Through Canals	-	0	0	0
Contract Supply Scheduled by Contractors after September 30th.	+	0	0	0
Section 215 Contract Supply	-	0	0	0
Uncontrolled Season	-	414	0	414
2010 Water Supply - Rescheduled	-	28	0	28
Total Available Supply		929	148	1077
		86%	14%	100%
	C L A S S 1			
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%		Percent Class 1 Declare	d =	100%
			-	
	CLASS2			
TOTAL CLASS 2 AVAILABLE = 277.1 ÷ 1400.0 = 19.8%		Percent Class 2 Declare	d =	10%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet				
TOTAL UNCONTROLLED CLASS 2 = 413.5 ÷ 1400.0 = 29.5%		Percent Class 2 =		30%
				0070
TOTAL UNCONTROLLED CLASS 2 = 413.5 ÷ 1400.0 = 29.5% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		Percent Class 2 =		3

8:00 AM