

MOST PROBABLE WATER SUPPLY FORECAST
SOUTH-CENTRAL CALIFORNIA AREA OFFICE (CVP)
FORECAST OF MILLERTON LAKE OPERATIONS
 Water Year Index
 Normal Wet

REPORT FOR OCTOBER CONTRACT YEAR 2010

MONTHS	SAN JOAQUIN NATURAL RIVER RUNOFF	MILLERTON LAKE																																	
		UPSTREAM OF MILLERTON LAKE			SAN JOAQUIN RIVER								MADERA CANAL							FRIANT-KERN CANAL						Loss	Evap	Total Releases	Storage						
		SCE	PG&E	Change	Inflow	Riparian	SR Interim Flows	Total SJR Interim Flows	Flood Release	Total SJR Release	Class 1 Water	Class 2 Water	Carryover	Uncontrolled Season	Section 215	RWA	Total MC Releases	Class 1 Water	Class 2 Water	Carryover	Uncontrolled Season	Section 215	RWA	Total FRC Releases											
EOM FEB		268.3	31.8																																305.3
MARCH	R	141.8	213.8	31.2	-55.2	196.7	8.0	33.5	41.5	0.0	41.5	0.0	1.2	0.0	0.0	1.2	0.0	0.1	18.4	7.1	0.0	0.0	25.5	11.8	1.0	68.2	421.0								
APRIL	R	222.0	253.0	33.9	42.0	180.2	8.9	63.2	72.1	0.0	72.1	0.0	0.0	0.0	37.1	0.0	0.0	37.1	3.2	3.3	9.1	107.0	0.5	2.4	125.4	15.5	1.3	234.7	349.7						
MAY	R	383.5	383.7	34.6	131.3	251.9	11.7	77.9	89.6	0.0	89.6	0.0	0.0	0.0	37.1	6.4	20.4	63.8	3.7	0.9	0.0	168.5	19.7	45.8	238.7	15.6	1.7	392.1	192.2						
JUNE	R	686.9	512.5	34.3	128.5	558.4	11.3	16.3	27.6	0.0	27.6	14.6	10.1	0.0	17.0	0.0	0.0	41.6	38.3	26.4	0.0	85.8	27.0	6.2	183.7	19.7	2.8	252.8	475.3						
JULY	R	242.9	525.4	34.3	12.9	230.0	14.1	7.4	21.5	0.0	21.5	57.2	6.0	0.0	0.0	0.0	63.2	129.6	44.2	0.0	17.5	0.0	0.0	191.4	2.3	3.0	276.1	423.9							
AUGUST 15	E	30.1	472.3	34.3	-53.1	83.2	6.8	3.6	10.5	0.0	10.5	22.0	4.0	0.0	0.0	0.0	26.0	88.0	4.0	0.0	0.0	0.0	0.0	92.0	4.5	1.6	128.5	372.5							
AUGUST 31	E	16.8	416.1	34.1	-56.5	73.2	7.3	3.4	10.7	0.0	10.7	21.0	4.0	0.0	0.0	0.0	25.0	90.0	4.0	0.0	0.0	0.0	0.0	94.0	0.4	1.4	129.7	314.3							
SEPTEMBER	E	16.0	353.8	30.5	-65.9	81.9	12.5	8.4	20.9	0.0	20.9	13.0	9.3	0.0	0.0	0.0	22.3	85.0	14.2	0.0	0.0	0.0	0.0	99.2	4.3	2.0	142.3	247.5							
SUB-TOTALS		1739.9			84.2	1655.5	80.7	213.6	294.3	0.0	294.3	127.8	34.6	0.0	91.2	6.4	20.4	280.3	437.9	97.0	27.5	385.8	47.2	54.4	1049.8	74.2	14.8	1624.4							
OCTOBER 15	E	5.0	328.2	25.7	-30.4	35.4	4.8	5.7	10.4	0.0	10.4	12.2	0.0	0.0	0.0	0.0	12.2	35.0	3.3	0.0	0.0	0.0	0.0	38.3	4.0	1.2	60.9	216.8							
OCTOBER 31	E	5.0	302.6	20.9	-30.4	35.4	5.1	6.0	11.1	0.0	11.1	10.0	0.0	0.0	0.0	0.0	10.0	34.0	3.0	0.0	0.0	0.0	0.0	37.0	3.7	1.2	58.1	189.1							
NOVEMBER	E	15.0	299.4	20.9	-3.2	18.2	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.8	0.0	0.0	0.0	0.0	34.8	-0.5	0.1	62.6	145.2							
DECEMBER	E	20.0	272.9	19.7	-27.7	47.7	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	14.0	1.0	1.0	21.9	169.0							
JANUARY	E	47.0	290.0	21.0	18.4	28.6	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.0	7.0	188.7							
FEBRUARY	E	50.0	260.0	21.0	-30.0	80.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	104.3	0.0	0.0	0.0	0.0	0.0	104.3	4.7	3.1	123.7	137.1							
SUB-TOTALS		142.0			-103.3	245.3	36.2	46.6	82.8	0.0	82.8	22.2	0.0	0.0	0.0	0.0	22.2	222.1	7.1	0.0	0.0	0.0	0.0	229.2	13.9	7.6	334.1								
TOTALS		1881.9			-19.1	1900.8	116.9	260.2	377.0	0.0	377.0	150.0	34.6	0.0	91.2	6.4	20.4	302.5	660.0	104.1	27.5	385.8	47.2	54.4	1279.0	88.1	22.4	1958.5							

FORECAST				NOTES/ASSUMPTIONS:	Water Year Index						
FORECAST DWR	RUNOFF WATER YEAR	RUNOFF PERCENT OF AVG WATER YEAR	APRIL-JULY RUNOFF		APRIL-JULY PERCENT OF AVG RUNOFF	Critical Low	Critical High	Dry	Normal Dry	Normal Wet	Wet
10% EXCEEDANCE	2,029	116%	1535	122%	1 All Storage Values are End of Month	Buffer Flows (af)					36,438
MOST PROBABLE	2,029	116%	1535	122%	2 E = Estimate, R = From Operational Records	Unexpected Seepage Losses (af)	40,000	40,000	40,000	40,000	40,000
					3 Units in Thousand Acre-Feet (TAF)	Runoff Range Low (af)	-	400,000	670,000	930,000	1,450,000
90% EXCEEDANCE	2,029	116%	1535	122%	4 Forecast Based on DWR's Water Supply Forecast 06/15/10	Runoff Range High (af)	400,000	670,000	930,000	1,450,000	4,642,000
					5 SCE EOM Storages Based on Water Plan 08/16/10	Forecast Water Year					2,028,741
					6 PG&E EOM Storages Based 2010 Water Plan	Riparian Flow Allocation (af)					116,900
					7 Canal Deliveries Based on water schedules	Interim Flow Allocation (af)					364,375
					8 Natural River from October thru February (AF) = 288,776	Total SJR Full Interim Allocation (af)					481,275
					9 ** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan	SJR Capacity Restriction Interim Allocation (af)					377,048
					10 Restoration Administrator Recommendations for the 2010 Interim Flow Program	** Difference (af)					104,227

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	MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	1707	33	1740
Storage Retained in Upstream Reservoir Above Friant Dam	207	-122	84
Released into the San Joaquin River From Friant Dam	263	32	294
San Joaquin River Interim Flows	202	12	214
Deliveries from the San Joaquin River From Friant Dam	1	0	1
Losses in the Friant-Kern and Madera Canals	69	5	74
Calculated Evaporation from Millerton Lake	11	3	15
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	138	138
RWA	75	0	75
Section 215 Contract Supply	54	0	54
Uncontrolled Season	477	0	477
2010 Water Supply - Rescheduled	28	0	28
Total Available Supply	691	248	939
	74%	26%	100%

C L A S S 1		
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%	Percent Class 1 Declared =	100%
C L A S S 2		
TOTAL CLASS 2 AVAILABLE = 139.4 ÷ 1400.0 = 10.0%	Percent Class 2 Declared =	10%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		
TOTAL UNCONTROLLED CLASS 2 = 477.0 ÷ 1400.0 = 34.1%	Percent Class 2 =	34%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		
TOTAL RWA = 74.8 ÷ 1400.0 = 5.3%	Percent Class 2 =	5%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		
TOTAL SECTION 215 = 53.6 ÷ 1,400.0 = 3.8%	Percent Class 2 =	4%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		