

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

**REPORT FOR AUGUST 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	SJR 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 FKC Releases							
<b>EOM FEB</b>		268.3	31.8																																
<b>MARCH</b> R	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	0.0	1.3	0.0	0.1	18.4	7.1	0.0	0.0	25.5	11.8	1.0	68.2	421.0								
<b>APRIL</b> 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	110.9	0.5	2.7	129.7	11.3	1.3	238.9	349.7							
<b>MAY</b> 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	164.7	20.3	49.3	238.9	15.3	1.7	392.3	192.2							
<b>JUNE</b> 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	40.1	28.0	0.0	81.1	31.8	6.2	187.2	16.0	3.0	256.4	475.3							
<b>JULY</b> E	242.9	525.4	34.3	12.9	230.0	14.1	7.4	21.5	0.0	21.5	59.2	6.0	0.0	0.0	0.0	0.0	65.2	143.5	46.1	0.0	0.0	0.0	0.0	189.6	1.1	4.0	276.4	423.9							
<b>AUGUST 15</b> E	40.0	496.2	34.3	-29.1	69.1	6.8	3.6	10.4	0.0	10.4	22.0	0.0	0.0	0.0	0.0	22.0	95.0	5.1	0.0	0.0	0.0	0.0	0.0	100.1	5.2	2.0	132.5	353.4							
<b>AUGUST 31</b> E	30.0	467.1	34.3	-29.1	59.1	7.3	3.8	11.1	0.0	11.1	20.9	0.0	0.0	0.0	0.0	20.9	90.0	5.0	0.0	0.0	0.0	0.0	0.0	95.0	4.6	2.0	127.0	279.0							
<b>SEPTEMBER</b> E	30.0	350.7	29.8	-120.9	150.9	12.5	8.3	20.8	0.0	20.8	10.5	17.3	0.0	0.0	0.0	27.8	90.0	12.8	0.0	0.0	0.0	0.0	0.0	102.8	5.1	4.0	151.4	269.3							
<b>SUB-TOTALS</b>	<b>1777.0</b>			<b>80.4</b>	<b>1696.4</b>	<b>80.7</b>	<b>213.9</b>	<b>294.6</b>	<b>0.0</b>	<b>294.6</b>	<b>127.1</b>	<b>34.6</b>	<b>0.0</b>	<b>91.2</b>	<b>6.4</b>	<b>20.4</b>	<b>279.6</b>	<b>465.6</b>	<b>101.2</b>	<b>27.5</b>	<b>363.8</b>	<b>52.6</b>	<b>58.1</b>	<b>1068.9</b>	<b>70.3</b>	<b>19.0</b>	<b>1643.1</b>								
<b>OCTOBER 15</b> E	5.0	324.6	26.3	-29.7	34.7	4.8	5.7	10.4	0.0	10.4	4.0	0.0	0.0	0.0	0.0	4.0	30.0	1.5	0.0	0.0	0.0	0.0	0.0	31.5	2.5	1.0	45.9	254.6							
<b>OCTOBER 31</b> E	5.0	298.5	22.7	-29.7	34.7	5.1	6.0	11.1	0.0	11.1	4.0	0.0	0.0	0.0	0.0	4.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	2.3	1.0	44.1	241.9							
<b>NOVEMBER</b> E	15.0	295.3	22.7	-3.2	18.2	7.3	20.5	27.8	0.0	27.8	14.9	0.0	0.0	0.0	0.0	14.9	54.0	1.4	0.0	0.0	0.0	0.0	0.0	55.4	3.0	1.0	98.1	158.0							
<b>DECEMBER</b> E	20.0	248.8	21.5	-47.7	67.7	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	0.0	14.0	1.0	1.0	21.8	201.8							
<b>JANUARY</b> E	47.0	255.0	21.0	5.7	41.3	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	7.1	234.0							
<b>FEBRUARY</b> E	50.0	260.0	21.0	5.0	45.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	66.5	0.0	0.0	0.0	0.0	0.0	0.0	66.5	1.0	1.0	85.9	191.1							
<b>SUB-TOTALS</b>	<b>142.0</b>			<b>-99.5</b>	<b>241.5</b>	<b>36.2</b>	<b>46.6</b>	<b>82.8</b>	<b>0.0</b>	<b>82.8</b>	<b>22.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>22.9</b>	<b>194.5</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>197.3</b>	<b>10.8</b>	<b>6.0</b>	<b>303.0</b>								
<b>TOTALS</b>	<b>1919.0</b>			<b>-19.1</b>	<b>1937.9</b>	<b>116.9</b>	<b>260.5</b>	<b>377.4</b>	<b>0.0</b>	<b>377.4</b>	<b>150.0</b>	<b>34.6</b>	<b>0.0</b>	<b>91.2</b>	<b>6.4</b>	<b>20.4</b>	<b>302.5</b>	<b>660.0</b>	<b>104.1</b>	<b>27.5</b>	<b>363.8</b>	<b>52.6</b>	<b>58.1</b>	<b>1266.2</b>	<b>81.1</b>	<b>25.0</b>	<b>1946.0</b>								

FORECAST				
FORECAST	RUNOFF	RUNOFF	APRIL-JULY	APRIL-JULY
DWR	WATER YEAR	PERCENT OF AVG WATER YEAR	RUNOFF	PERCENT OF AVG RUNOFF
10% EXCEEDANCE	2,081	119%	1535	122%
<b>MOST PROBABLE</b>	<b>2,066</b>	<b>118%</b>	<b>1535</b>	<b>122%</b>
90% EXCEEDANCE	2,036	116%	1535	122%

**NOTES/ASSUMPTIONS:**

- 1 All Storage Values are End of Month
- 2 E = Estimate, R = From Operational Records
- 3 Units in Thousand Acre-Feet (TAF)
- 4 Forecast Based on DWR's Water Supply Forecast 06/15/10
- 5 SCE EOM Storages Based on Water Plan 07/14/10
- 6 PG&E EOM Storages Based 2010 Water Plan
- 7 Canal Deliveries Based on water schedules
- 8 Natural River from October thru February (AF) = 288,776
- 9 \*\* The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan
- 10 Restoration Administrator Recommendations for the 2010 Interim Flow Program

Water Year Index	Critical Low	Critical High	Dry	Normal Dry	Normal Wet	Wet
Buffer Flows (af)						36,956
Unexpected Seepage Losses (af)	40,000	40,000	40,000	40,000	40,000	40,000
Runoff Range Low (af)	-	400,000	670,000	930,000	1,450,000	2,500,000
Runoff Range High (af)	400,000	670,000	930,000	1,450,000	2,500,000	4,642,000
<b>Forecast Water Year</b>						<b>2,065,828</b>
Riparian Flow Allocation (af)						116,900
Interim Flow Allocation (af)						369,559
<b>Total SJR Full Interim Allocation (af)</b>						<b>486,459</b>
SJR Capacity Restriction Interim Allocation (af)						377,370
** Difference (af)						109,089

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		MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	+	1717	60	1777
Storage Retained in Upstream Reservoir Above Friant Dam	-	230	-150	80
Released into the San Joaquin River From Friant Dam	-	263	32	295
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	-	61	10	70
Calculated Evaporation from Millerton Lake	-	13	6	19
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	85	85
RWA	-	78	0	78
Section 215 Contract Supply	-	59	0	59
Uncontrolled Season	-	455	0	455
2010 Water Supply - Rescheduled	-	28	0	28
<b>Total Available Supply</b>		<b>697</b>	<b>243</b>	<b>940</b>
		74%	26%	100%

<b>CLASS 1</b>		
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%	Percent Class 1 Declared =	100%
<b>CLASS 2</b>		
TOTAL CLASS 2 AVAILABLE = 139.7 ÷ 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 = 455.0 ÷ 1400.0 = 32.5%	Percent Class 2 =	33%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		
TOTAL RWA = 78.5 ÷ 1400.0 = 5.6%	Percent Class 2 =	6%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		
TOTAL SECTION 215 = 59.0 ÷ 1,400.0 = 4.2%	Percent Class 2 =	4%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		