

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

REPORT FOR MARCH CONTRACT YEAR 2010

MONTHS	SAN JOAQUIN NATURAL RIVER RUNOFF	MILLERTON LAKE																							
		UPSTREAM OF MILLERTON LAKE							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(21)	Carryover	Total MC Releases	Class 1 Water	Class 2 Water	Uncontrolled Season(21)	Carryover	Total FKC Releases	Loss	Evap	Total Releases	Storage	
EOM FEB		268.3	31.8																				305.3		
MARCH	E	76.0	198.7	30.6	-70.8	146.8	8.0	36.4	44.4	0.0	44.4	0.0	0.0	0.0	0.0	0.0	0.0	16.9	22.3	2.2	2.3	66.8	380.9		
APRIL	E	225.0	227.3	29.5	27.5	197.5	8.9	81.4	90.3	0.0	90.3	0.0	0.0	0.0	0.0	0.0	21.4	16.1	37.5	3.7	2.6	127.8	444.2		
MAY	E	424.0	424.6	34.3	202.1	221.9	11.7	32.5	44.1	0.0	44.1	5.4	18.6	0.0	0.0	24.0	50.0	33.8	0.0	0.0	83.9	10.8	4.0	152.0	499.3
JUNE	E	340.0	513.4	34.3	88.8	251.2	11.3	9.5	20.8	0.0	20.8	30.0	16.0	0.0	0.0	46.0	107.6	30.8	0.0	0.0	138.4	18.4	6.9	205.3	520.0
JULY	E	110.5	500.7	34.3	-12.7	123.2	14.1	7.4	21.5	0.0	21.5	57.0	0.0	0.0	0.0	57.0	188.1	6.5	0.0	0.0	194.6	25.2	10.1	273.1	334.8
AUGUST 15	E	10.0	471.4	34.3	-29.4	39.4	6.8	3.6	10.4	0.0	10.4	20.0	0.0	0.0	0.0	20.0	70.0	6.1	0.0	0.0	76.1	9.6	5.9	106.5	252.1
AUGUST 31	E	8.0	442.0	34.3	-29.4	37.4	7.3	3.8	11.1	0.0	11.1	18.0	0.0	0.0	0.0	18.0	55.7	0.0	0.0	0.0	55.7	7.4	4.9	84.9	192.3
SEPTEMBER	E	8.0	359.8	29.8	-86.7	94.7	12.5	8.3	20.8	0.0	20.8	12.5	0.0	0.0	0.0	12.5	73.9	0.0	0.0	0.0	73.9	8.6	5.8	107.2	165.4
SUB-TOTALS		1201.5			89.5	1112.1	80.7	182.9	263.6	0.0	263.6	142.9	34.6	0.0	0.0	177.5	545.3	104.1	0.0	33.0	682.4	85.9	42.5	1123.5	
OCTOBER 15	E	5.0	333.6	26.3	-29.8	34.8	4.8	5.7	10.4	0.0	10.4	4.1	0.0	0.0	0.0	4.1	25.0	0.0	0.0	0.0	25.0	2.9	1.6	39.5	156.2
OCTOBER 31	E	5.0	307.3	22.7	-29.8	34.8	5.1	6.0	11.1	0.0	11.1	3.0	0.0	0.0	0.0	3.0	23.9	0.0	0.0	0.0	23.9	2.7	1.5	38.0	148.8
NOVEMBER	E	15.0	305.5	22.7	-1.8	16.8	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	27.8	135.8
DECEMBER	E	20.0	252.1	21.5	-54.6	74.6	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	2.2	1.0	1.0	10.1	198.3
JANUARY	E	47.0	290.0	21.0	37.4	9.6	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	1.0	1.0	7.7	198.2	
FEBRUARY	E	50.0	270.0	21.0	-20.0	70.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	62.0	6.2	3.5	81.4	177.1	
SUB-TOTALS		142.0			-98.6	240.6	36.2	46.6	82.8	0.0	82.8	7.1	0.0	0.0	7.1	114.7	0.0	0.0	0.0	114.7	14.8	9.6	204.6		
TOTALS		1343.5			-9.1	1352.7	116.9	229.5	346.4	0.0	346.4	150.0	34.6	0.0	0.0	184.6	660.0	104.1	0.0	33.0	797.1	100.7	52.1	1328.1	

FORECAST

FORECAST DWR	RUNOFF WATER YEAR	RUNOFF PERCENT OF AVG WATER YEAR	APRIL-JULY RUNOFF	APRIL-JULY PERCENT OF AVG RUNOFF
10% EXCEEDANCE	2,450	140%	1890	150%
50% EXCEEDANCE	1,870	107%	1360	108%
90% EXCEEDANCE	1,490	85%	1100	87%

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 Dated 03/09/10
- 5 SCE EOM Storages Based on Water Plan 03/03/10
- 6 PG&E EOM Storages Based 2010 Water Plan Dated 02/01/2010
- 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						28,900	
Unexpected Seepage Losses	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Runoff Range Low	-	400,000	670,000	930,000	1,450,000	2,500,000	
Runoff Range High	400,000	670,000	930,000	1,450,000	2,500,000	4,642,000	
Forecast Water Year							1,490,306
Riparian Flow Allocation							116,900
Interim Flow Allocation							289,004
Total SJR Full Interim Allocation							405,904
SJR Capacity Restriction Interim Allocation							346,363
** Difference							59,541

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		MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	+	1186	16	1202
Storage Retained in Upstream Reservoir Above Friant Dam	-	206	-116	89
Released into the San Joaquin River From Friant Dam	-	232	32	264
San Joaquin River Interim Flows		232	32	264
Deliveries from the San Joaquin River From Friant Dam	+	1	0	1
Losses in the Friant-Kern and Madera Canals	-	70	16	86
Calculated Evaporation from Millerton Lake	-	32	11	43
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	92	92
Section 215 Contract Supply	-	0	0	0
Uncontrolled Season	-	0	0	0
2010 Water Supply - Rescheduled	-	35	0	35
Total Available Supply		779	161	939
		83%	17%	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 = 139.5 ÷ 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 = 0.0 ÷ 1400.0 = 0.0%

Percent Class 2 = **0%**

Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet