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

REPORT FOR APRIL CONTRACT YEAR 2010

MONTHS		SAN JOAQUIN NATURAL RIVER RUNOFF					MILLERTON LAKE																		
								SAN.	JOAQUIN F	RIVER			MA	ADERA CAN	IAL			FRIA	NT-KERN C	ANAL					
			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	0.0	2.0	0.0	2.0	0.0	0.0	7.0	28.0	35.0	1.4	1.1	78.5	421.0
APRIL	Е	232.0	218.9	29.5	3.5	228.5	8.9	81.4	90.3	0.0	90.3	0.0	0.0	32.6	0.0	32.6	21.0	0.0	97.0	5.5	123.5	13.1	2.7	246.4	387.3
MAY	Е	421.0	423.9	34.3	209.8	211.2	11.7	32.5	44.1	0.0	44.1	22.5	0.0	0.0	0.0	22.5	55.0	0.0	0.0	0.0	55.0	7.8	3.3	121.6	465.8
IUNE	E	373.0	525.5	34.3	101.6	271.4	11.3	9.5	20.8	0.0	20.8	46.0	0.0	0.0	0.0	46.0	129.0	0.0	0.0	0.0	129.0	14.5	6.4	195.8	520.5
IULY	E	124.0	522.7	34.3	-2.8	126.8	14.1	7.4	21.5	0.0	21.5	57.0	0.0	0.0	0.0	57.0	181.0	0.0	0.0	0.0	181.0	18.8	8.3	259.5	360.6
AUGUST 15	Е	10.0	496.1	34.3	-26.7	36.7	6.8	3.6	10.4	0.0	10.4	12.0	0.0	0.0	0.0	12.0	54.0	0.0	0.0	0.0	54.0	6.6	4.2	76.4	310.1
AUGUST 31	Е	8.0	469.4	34.3	-26.7	34.7	7.3	3.8	11.1	0.0	11.1	12.0	0.0	0.0	0.0	12.0	50.0	0.0	0.0	0.0	50.0	6.2	4.3	73.1	261.1
SEPTEMBER	E	8.0	379.5	29.8	-94.4	102.4	12.5	8.3	20.8	0.0	20.8	2.5	0.0	0.0	0.0	2.5	64.0	0.0	0.0	0.0	64.0	6.7	4.7	87.3	264.8
SUB-TOTALS		1317.8			109.2	1208.4	80.7	180.0	260.7	0.0	260.7	152.0	0.0	34.6	0.0	186.6	554.0	0.0	104.0	33.5	691.5	75.1	35.0	1138.8	
OCTOBER 15	Е	5.0	353.7	26.3	-29.4	34.4	4.8	5.7	10.4	0.0	10.4	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	23.0	2.3	1.3	33.4	262.1
OCTOBER 31	Е	5.0	327.9	22.7	-29.4	34.4	5.1	6.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	22.0	2.2	1.2	33.1	260.0
OVEMBER	Е	15.0	321.2	22.7	-6.7	21.7	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	34.0	3.4	1.9	61.8	214.6
DECEMBER	E	20.0	267.8	21.5	-54.6	74.6	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	1.0	1.0	10.9	276.3
IANUARY	E	47.0	259.0	21.0	-9.3	56.3	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	1.0	1.0	9.1	321.5
EBRUARY	E	50.0	250.0	21.0	-9.0	59.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	21.0	2.1	1.2	40.4	336.7
SUB-TOTALS		142.0			-138.3	280.3	36.2	46.6	82.8	0.0	82.8	0.0	0.0	0.0	0.0	0.0	106.0	0.0	0.0	0.0	106.0	12.0	7.6	188.8	
TOTALS		1459.8			-29.1	1488.7	116.9	226.5	343.4	0.0	343.4	152.0	0.0	34.6	0.0	186.6	660.0	0.0	104.0	33.5	797.5	87.1	42.6	1327.5	

FORECAST DWR	RUNOFF WATER YEAR	RUNOFF PERCENT OF AVG	APRIL-JULY RUNOFF	APRIL-JULY PERCENT OF
		WATER YEAR		RUNOFF
10% EXCEEDANCE	2,200	125%	1680	133%
50% EXCEEDANCE	1,837	105%	1340	106%
90% EXCEEDANCE	1,607	92%	1150	91%

NOTES/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					30,525	
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 04/07/10	Runoff Range Low	_	400.000	670,000	930.000	1.450.000	2.500.000
5	SCE EOM Storages Based on Water Plan 03/03/10	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					1.606.561	
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					305.255	
9	** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan	Total SJR Full Interim					422.155	
10	Restoration Administrator Recommendations for the 2010 Interim Flow Program	SJR Capacity Restriction						
	•	Interim Allocation  ** Difference					343,408 78,747	
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### Water Year Index Normal Wet

#### **REPORT FOR APRIL CONTRACT YEAR 2010**

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		MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	+	1302	16	1318
Storage Retained in Upstream Reservoir Above Friant Dam	-	230	-121	109
Released into the San Joaquin River From Friant Dam	-	229	32	261
San Joaquin River Interim Flows		229	32	261
Deliveries from the San Joaquin River From Friant Dam	+	0	0	0
Losses in the Friant-Kern and Madera Canals	-	62	13	75
Calculated Evaporation from Millerton Lake	-	26	9	35
Supply Retained in Millerton at End of February above 135,000 AF	+	170	0	170
Soquel Water Supplied into System	-	6	6	12
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	-	139	0	139
2010 Water Supply - Rescheduled	-	35	0	35
Total Available Supply		746	77	823
		91%	9%	100%
	CLASS1			
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%		Percent Class 1 Declared	d =	100%
	CLASS2			
TOTAL CLASS 2 AVAILABLE = 23.0 ÷ 1400.0 = 1.6%  Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		Percent Class 2 Declared	d =	0%
TOTAL UNCONTROLLED CLASS 2 = 138.6 ÷ 1400.0 = 9.9% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		Percent Class 2 =		10%