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

REPORT FOR MAY CONTRACT YEAR 2010

REPORT FO		SAN JOAQUIN																							
MUNTHS	h	NATURAL RIVER RUNOFF	UPSTREAM OF MILLERTON LAKE			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/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
IARCH	_	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	1.6	1.1	78.5	420.9
	E	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	21.0	0.0	118.0	6.5	145.5	2.1	1.2	248.1	349.7
IAY	_	522.0	423.9	34.3	171.3	350.7	11.7	60.0	71.7	0.0	71.7	22.5	0.0	30.0	0.0	52.5	55.0	0.0	212.0	0.0	267.0	19.0	2.9	391.2	287.3
UNE	-		525.5								20.8				0.0		129.0	0.0	0.0	0.0				195.8	504.8
	_	533.0		34.3	101.6	431.4	11.3	9.5	20.8	0.0		46.0	0.0	0.0		46.0					129.0	14.5	3.6		
ULY	Е	233.0	522.7	34.3	-2.8	235.8	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	13.8	8.3	259.5	459.0
UGUST 15	E	20.0	496.1	34.3	-26.7	46.7	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	418.4
UGUST 31	E	15.0	469.4	34.3	-26.7	41.7	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	376.5
EPTEMBER	E	20.0	379.5	29.8	-94.4	114.4	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	392.1
UB-TOTALS		1706.7			109.2	1597.5	80.7	189.3	270.0	0.0	270.0	152.0	0.0	62.5	0.0	214.5	554.0	0.0	337.0	34.5	925.5	70.4	30.3	1410.0	
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	389.5
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	387.3
IOVEMBER	E	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	341.9
ECEMBER	Е	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	403.7
ANUARY	Е	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	448.8
EBRUARY	Е	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	464.1
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		1848.7			-29.1	1877.8	116.9	235.9	352.7	0.0	352.7	152.0	0.0	62.5	0.0	214.5	660.0	0.0	337.0	34.5	1031.5	82.4	37.9	1598.7	

FORECAST	RUNOFF	RUNOFF	APRIL-JULY	APRIL-JULY
DWR	WATER YEAR	PERCENT OF AVG	RUNOFF	PERCENT OF AVG
		WATER YEAR		RUNOFF
10% EXCEEDANCE 50% EXCEEDANCE	2,361 2,191 1,996	135% 125% 114%	1830 1660 1510	145% 132% 120%

NOTES/ASS	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					35,975	
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					1,995,543	
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					359.752	
9	** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan	Total SJR Full Interim Allocation					476.652	
10	Restoration Administrator Recommendations for the 2010 Interim Flow Program	SJR Capacity Restriction						
	• • • • • • • • • • • • • • • • • • • •	Interim Allocation ** Difference					352,728 123,924	

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### **REPORT FOR MAY CONTRACT YEAR 2010**

3:14 PM

		MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	+	1672	35	1707
Storage Retained in Upstream Reservoir Above Friant Dam	-	230	-121	109
Released into the San Joaquin River From Friant Dam	-	238	32	270
San Joaquin River Interim Flows		238	32	270
Deliveries from the San Joaquin River From Friant Dam	+	1	0	1
Losses in the Friant-Kern and Madera Canals	-	58	13	70
Calculated Evaporation from Millerton Lake	-	21	9	30
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	-	400	0	400
2010 Water Supply - Rescheduled	-	35	0	35
Total Available Supply		856	96	953
		90%	10%	100%
	CLASS1			
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%		Percent Class 1 Declare	ed =	100%
	CLASS2			
TOTAL CLASS 2 AVAILABLE = 152.5 ÷ 1400.0 = 10.9%		Percent Class 2 Declare	ed =	10%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet				
TOTAL UNCONTROLLED CLASS 2 = 399.5 ÷ 1400.0 = 28.5% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		Percent Class 2 =		29%