## 82 PERCENT EXCEEDANCE WATER SUPPLY FORECAST SOUTH-CENTRAL CALIFORNIA AREA OFFICE (CVP) FORECAST OF MILLERTON LAKE OPERATIONS

Water Year Index Normal Dry

REPORT FOR FERRIJARY CONTRACT YEAR 2010 - INITIAL FORECAST

MONTHS	N	SAN JOAQUIN NATURAL RIVER RUNOFF	UPSTREA	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			270.0	29.7																					293.0
ARCH	Е	95.0	260.0	30.6	-9.1	104.1	8.0	34.1	42.1	0.0	42.1	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	26.0	38.0	3.8	3.1	80.1	310.1
PRIL	E	184.0	328.0	29.5	66.9	117.1	8.9	63.8	72.7	0.0	72.7	10.0	0.0	0.0	0.0	10.0	45.0	0.0	0.0	26.1	71.1	8.1	5.0	153.8	260.3
AY	Е	341.0	461.0	34.3	137.8	203.2	11.7	15.5	27.1	0.0	27.1	20.0	0.0	0.0	0.0	20.0	145.0	0.0	0.0	0.0	145.0	16.5	7.2	192.1	247.7
JNE	Е	301.0	504.0	34.3	43.0	258.0	11.3	9.5	20.8	0.0	20.8	50.0	0.0	0.0	0.0	50.0	185.0	0.0	0.0	0.0	185.0	23.5	7.2	255.8	219.2
ILY	Е	104.0	453.6	34.3	-50.4	154.4	14.1	7.4	21.5	0.0	21.5	40.0	0.0	0.0	0.0	40.0	150.0	0.0	0.0	0.0	150.0	19.0	6.6	211.5	136.5
UGUST 15	Е	25.0	421.8	34.3	-31.8	56.8	6.8	3.6	10.4	0.0	10.4	15.0	0.0	0.0	0.0	15.0	24.0	0.0	0.0	0.0	24.0	3.9	2.7	49.4	137.3
UGUST 31	Е	22.0	390.0	34.3	-31.8	53.8	7.3	3.8	11.1	0.0	11.1	11.0	0.0	0.0	0.0	11.0	21.0	0.0	0.0	0.0	21.0	3.2	2.6	43.1	142.1
EPTEMBER	Е	12.0	325.0	29.8	-69.5	81.5	12.5	8.3	20.8	0.0	20.8	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	25.0	2.5	2.4	45.8	172.9
UB-TOTALS		1084.0			55.1	1028.9	80.7	145.9	226.6	0.0	226.6	146.0	0.0	0.0	0.0	146.0	607.0	0.0	0.0	52.1	659.1	80.5	36.8	1031.7	
CTOBER 15	Е	5.0	318.8	26.3	-9.8	14.8	4.8	5.7	10.4	0.0	10.4	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	15.0	1.5	1.0	25.4	159.8
CTOBER 31	Е	5.0	312.5	22.7	-9.8	14.8	5.1	6.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	12.0	1.2	1.0	23.1	149.3
OVEMBER	Е	15.0	300.8	22.7	-11.7	26.7	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	1.0	1.0	32.8	141.2
ECEMBER	Е	20.0	247.3	21.5	-54.7	74.7	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	1.0	1.0	11.9	202.1
ANUARY	Е	47.0	265.0	21.0	17.2	29.8	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	1.0	1.0	10.1	219.7
EBRUARY	Е	50.0	255.0	21.0	-10.0	60.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	13.0	1.3	1.0	32.4	245.0
UB-TOTALS		142.0			-78.8	220.8	36.2	46.6	82.8	0.0	82.8	0.0	0.0	0.0	0.0	0.0	53.0	0.0	0.0	0.0	53.0	7.0	6.0	135.8	
TOTALS		1226.0			-23.7	1249.7	116.9	192.5	309.3	0.0	309.3	146.0	0.0	0.0	0.0	146.0	660.0	0.0	0.0	52.1	712.1	87.5	42.8	1167.4	

	FOREC	AST		
FORECAST	RUNOFF	RUNOFF	APRIL-JULY	APRIL-JULY
DWR	WATER YEAR	PERCENT OF AVG	RUNOFF	PERCENT OF AVG
		WATER YEAR		RUNOFF
10% EXCEEDANCE 50% EXCEEDANCE 82% EXCEEDANCE	2,443 1,656 1,362	139% 94% 78%	1810 1170 930	143% 93% 74%

192.5	309.3	0.0	309.3	146.0	0.0	0.0	0.0	146.0		660.0	0.0	0.0	52.1	712.1	87.5	42.8	1167.4	
NOTES/ASS	SUMPTIONS:																	
1	1 All Storage Values are End of Month										Water Ye	Water Year Index		Critical High	Dry	Normal Dry	Normal Wet	Wet
2	E = Estimate, R = From Operational Records											Buffer Flows				27,142		
3	Units in Thousand Acre-Feet (TAF)											Unexpected Seepage Losses		40,000	40,000	40,000	40,000	40,000
4	Forecast Based on DWR's Water Supply Forecast Dated 02/01/10										Runoff Ra	ange Low	-	400,000	670,000	930,000	1,450,000	2,500,000
5	SCE EOM Storages Based on Water Plan 02/10/10										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 V	Vater Year				1,361,637		
7	Canal Deliveries Based on Historical Data										Riparian Flow Allocation 116,900							
8	Natural River from October thru February (AF) = 277,637								Interim Flow Allocation 271.419									
9	** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan									Total SJR Full Interim Allocation			388.319					
10	Restoration Administrator Recommendations for the 2010 Interim Flow Program								SJR Capacit					309.323				
								** Diffe					78,996					

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## **REPORT FOR FEBRUARY CONTRACT YEAR 2010 - INITIAL FORECAST**

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		MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff	+	1050	34	1084
Storage Retained in Upstream Reservoir Above Friant Dam	-	156	-101	55
Released into the San Joaquin River From Friant Dam	-	195	32	227
San Joaquin River Interim Flows		195	32	227
Deliveries from the San Joaquin River From Friant Dam	+	0	0	0
Losses in the Friant-Kern and Madera Canals	-	75	6	81
Calculated Evaporation from Millerton Lake	-	32	5	37
Supply Retained in Millerton at End of February above 135,000 AF	+	158	0	158
Soquel Water Supplied into System	-	3	3	6
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	-	0	0	0
2010 Water Supply - Rescheduled	-	52	0	52
Total Available Supply		695	90	785
		89%	11%	100%
	CLASS1	_		
TOTAL CLASS 1 AVAILABLE = 785 ÷ 800.0 = 98.1%		Percent Class 1 Declared	=	100%
	CLASS2			
TOTAL CLASS 2 AVAILABLE = 0.0 ÷ 1400.0 = 0.0%		Percent Class 2 Declared	=	0%
Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet				_
TOTAL UNCONTROLLED CLASS 2 = 0.0 ÷ 1400.0 = 0.0% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		Percent Class 2 =		0%