50 PERCENT EXCEEDANCE WATER SUPPLY FORECAST

SOUTH-CENTRAL CALIFORNIA AREA OFFICE (CVP) FORECAST OF MILLERTON LAKE OPERATIONS

Water Year Index Normal Wet

REPORT FOR JULY CONTRACT YEAR 2010

REPOR I MONTHS	FUR	SAN JOAQUIN															175								
MONTHS		SAN JOAQUIN UPSTREAM OF MILLERTON LAKE NATURAL RIVER RUNOFF				MILLERTON LAKE																			
								SAN	JOAQUIN F	RIVER			MA	DERA CAN	IAL			FRIAN	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	1.3	0.0	0.0	1.3	0.0	0.1	7.0	28.0	35.1	2.3	1.0	77.8	421.0
APRIL	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	17.0	0.0	120.0	6.5	143.5	4.3	1.0	246.1	349.7
MAY	E	383.5	383.7	34.6	131.3	251.9	11.7	77.9	89.6	0.0	89.6	0.0	0.0	56.0	0.0	56.0	61.0	0.0	200.0	0.0	261.0	1.1	1.7	406.5	192.2
JUNE	Е	689.0	514.0	34.3	130.0	559.0	11.3	15.7	27.0	0.0	27.0	9.0	17.3	32.0	0.0	58.3	20.0	52.1	112.0	0.0	184.1	8.2	3.2	269.4	470.4
JULY	Е	256.0	550.7	34.3	36.7	219.3	14.1	7.4	21.5	0.0	21.5	57.0	0.0	0.0	0.0	57.0	210.0	0.0	0.0	0.0	210.0	16.7	6.0	288.5	378.5
AUGUST 15	Е	40.0	522.3	34.3	-28.5	68.5	6.8	3.6	10.4	0.0	10.4	25.0	0.0	0.0	0.0	25.0	85.0	0.0	0.0	0.0	85.0	11.0	5.8	120.4	309.7
AUGUST 31	Е	30.0	493.8	34.3	-28.4	58.4	7.3	3.8	11.1	0.0	11.1	22.0	0.0	0.0	0.0	22.0	70.0	0.0	0.0	0.0	70.0	9.2	5.1	103.1	250.8
SEPTEMBER	Е	30.0	375.3	29.8	-123.0	153.0	12.5	8.3	20.8	0.0	20.8	24.0	0.0	0.0	0.0	24.0	76.0	0.0	0.0	0.0	76.0	10.0	5.9	120.8	267.0
SUB-TOTALS		1792.2			105.0	1686.9	80.7	213.4	294.0	0.0	294.0	137.0	18.6	118.5	0.0	274.1	539.0	52.1	439.0	34.5	1064.6	62.8	29.7	1632.7	
OCTOBER 15	Е	5.0	348.6	26.3	-30.3	35.3	4.8	5.7	10.4	0.0	10.4	8.0	0.0	0.0	0.0	8.0	35.0	0.0	0.0	0.0	35.0	4.3	2.4	53.4	242.2
OCTOBER 31	Е	5.0	321.8	22.7	-30.3	35.3	5.1	6.0	11.1	0.0	11.1	5.0	0.0	0.0	0.0	5.0	25.0	0.0	0.0	0.0	25.0	3.0	1.7	41.1	231.7
NOVEMBER	Е	15.0	309.5	22.7	-12.3	27.3	7.3	20.5	27.8	0.0	27.8	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	24.0	2.4	1.3	51.8	203.5
DECEMBER	Е	20.0	260.1	21.5	-50.6	70.6	7.4	0.5	7.9	0.0	7.9	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0	1.0	1.0	9.9	262.3
JANUARY	Е	47.0	255.0	21.0	-5.6	52.6	6.1	0.0	6.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	7.1	305.7
FEBRUARY	Е	50.0	250.0	21.0	-5.0	55.0	5.6	13.9	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	34.0	3.4	1.9	53.4	302.0
SUB-TOTALS		142.0			-134.1	276.1	36.2	46.6	82.8	0.0	82.8	13.0	0.0	0.0	0.0	13.0	121.0	0.0	0.0	0.0	121.0	15.1	9.3	216.8	
TOTALS	:	1934.2			-29.1	1963.0	116.9	259.9	376.8	0.0	376.8	150.0	18.6	118.5	0.0	287.1	660.0	52.1	439.0	34.5	1185.6	77.9	39.0	1849.5	

FORECAST

	FOREC	ASI		
FORECAST	RUNOFF	RUNOFF	APRIL-JULY	APRIL-JULY
DWR	WATER YEAR	PERCENT OF AVG	RUNOFF	PERCENT OF AVG
		WATER YEAR		RUNOFF
10% EXCEEDANCE 50% EXCEEDANCE 90% EXCEEDANCE	2,200 2,081 2,020	125% 119%	1670 1550	132% 123%

NOTES/ASSUMPTIONS:

IO I ES/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					37,180	
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					2,081,005	
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					371,800	
9	** The SJR Interim Flows based on River Capacity Restriction does not include Dec/Jan	Total SJR Full Interim Allocation					488,700	
10	Restoration Administrator Recommendations for the 2010 Interim Flow Program	SJR Capacity Restriction Interim Allocation					376,801	
		** Difference					111,899	

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

Water Year Index Normal Wet

REPORT FOR JULY CONTRACT YEAR 2010

3:25 PM

			MARCH Aug 15	Aug 16 Sep 30	TOTALS
Calculated Uncontrolled San Joaquin River Runoff		+	1732	60	1792
Storage Retained in Upstream Reservoir Above Friant Dam		-	256	-151	105
Released into the San Joaquin River From Friant Dam		-	262	32	294
San Joaquin River Interim Flows			262	32	294
Deliveries from the San Joaquin River From Friant Dam		+	1	0	1
Losses in the Friant-Kern and Madera Canals		-	44	19	63
Calculated Evaporation from Millerton Lake		-	19	11	30
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	64	64
Section 215 Contract Supply		-	0	0	0
Uncontrolled Season		-	558	0	558
2010 Water Supply - Rescheduled		-	28	0	28
Total Available Supply			732	208	941
			78%	22%	100%
	CLASS1	_			
TOTAL CLASS 1 AVAILABLE = 800 ÷ 800.0 = 100%		F	Percent Class 1 Declared =		100%
	CLASS2				
TOTAL CLASS 2 AVAILABLE = 140.6 ÷ 1400.0 = 10.0% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		F	Percent Class 2 Declared =	-	5%
TOTAL UNCONTROLLED CLASS 2 = 557.5 ÷ 1400.0 = 39.8% Total Contract Entitlement for Class 2 is 1,400,000 Acre-Feet		E	Percent Class 2 =		40%