

KERN RIVER GROUP
5-8-2023

KERN RIVER GROUP 2023 KERN RIVER - ISABELLA RESERVOIR PROJECTED OPERATIONAL ROUTING

Quantities in 1000 acre-feet
except where noted...

Based upon May 1, 2023 State DWR Forecast of 1,810,000 AcFt April-July inflow to Lake Isabella (424% of normal)

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL
INFLOW TO ISABELLA	88.6	39.0	338.7	311.9	610.0	599.0	290.0	111.0	50.0	35.0	32.0	31.0	2536.2
LAKE EVAPORATION LOSS	0.6	1.0	1.7	3.5	6.3	9.5	10.5	7.5	7.5	3.5	2.0	1.0	54.6
ISABELLA DAM OUTFLOW	22.3	20.7	127.4	321.0	417.2	461.4	362.3	290.7	165.0	114.6	32.0	31.0	2365.6
DAM RELEASE (mean cfs)	363	373	2072	5395	6785	7754	5892	4728	2773	1864	538	504	
ISABELLA RESERVOIR STORAGE (End of Month)	51.0	116.7	134.0	343.6	331.0	517.5	645.6	562.8	375.6	253.1	170.0	168.0	167.0

NOTES:

DWR 30 year average 1991-2021; 427,000 AcFt
A-J = 1,810,972 (includes actuals for April)

NOVEMBER 1ST UNIT STORAGE PROJECTIONS

Isabella Reservoir Total Storage	=	170.0
Kern County Recreation Pool	=	30.0
Total Irrigation Storage	=	140.0
Buena Vista WSD	=	45.0
Hacienda WD	=	28.0
First Point Group	=	67.0
North Kern WSD	=	33.5
City of Bakersfield	=	33.5

PEAK SNOWMELT INFLOW ESTIMATE

May 23 @ 14,846 CFS

PEAK STORAGE ESTIMATE

June 18 @ 658,262 Acft