

Snowpack and Water Supply Conditions for the Arkansas Basin as of May 15, 2007

Precipitation across the Arkansas River Basin during the first half of May has been near average. Only one storm event during May 5 to 7 has delivered any addition to the basin's snowpack. The Arkansas basin's snowpack increased by 0.6 inches of water equivalent from this storm. Meanwhile, warm temperatures throughout early May have contributed to a fast and steady melt of the basin's snowpack. By May 15th, snowpack totals had melted to 89% of average, nearly the same percent of average snowpack measured at the beginning of the month.

As a result of near average climatology across the basin, streamflow forecasts have remained unchanged from those issued on May 1.

ARKANSAS RIVER BASIN

Forecast Point -----	period -----	50% (KAF)	% of avg	max (KAF)	min (KAF)	30-yr avg
Chalk Ck At Nathrop	APR-JUL	17.2	75	27.0	10.1	23.0
	MAY-JUL	16.7	76	26.0	9.6	22.0
	APR-SEP	21.0	78	32.0	12.0	27.0
	MAY-SEP	20.0	74	31.0	11.5	27.0
Arkansas River At Salida 1	APR-JUL	210	82	270	161	255
	MAY-JUL	196	82	255	146	240
	APR-SEP	260	84	335	193	310
	MAY-SEP	245	82	320	178	300
Grape Creek Near Westcliffe	APR-JUL	12.8	80	27.0	7.20	16.1
	MAY-JUL	12.4	95	24.0	4.40	13.0
	APR-SEP	18.5	94	31.0	9.2	19.6
	MAY-SEP	15.2	92	28.0	6.40	16.5
Pueblo Reservoir Inflow 1	APR-JUL	300	78	425	195	385
	MAY-JUL	270	77	395	167	350
	APR-SEP	380	78	535	250	485
	MAY-SEP	350	78	505	220	450
	APR (OBS)	28	80			35
	MAY	77	86			89
	JUN	125	77			162
	JUL	70	72			97
	AUG	47	76			62
SEP	33	87			38	
Huerfano River Near Redwing	APR-JUL	11.6	94	15.0	8.70	12.3
	MAY-JUL	10.7	96	14.1	7.80	11.2
	APR-SEP	14.8	96	19.2	11.0	15.5
	MAY-SEP	13.9	96	18.3	10.1	14.5
Cucharas River At Boyd Ranch Nr La	APR-JUL	11.7	104	16.5	7.80	11.3
	MAY-JUL	10.20	103	15.0	6.30	9.90
	APR-SEP	13.6	105	18.9	9.3	13.0
	MAY-SEP	12.1	103	17.4	7.80	11.7
Trinidad Lake Inflow	MAR-JUL	40.0	118	58.0	26.0	34.0
	MAY-JUL	27.0	95	45.0	13.6	28.5
	APR-SEP	45.0	102	70.0	26.0	44.0
	MAY-SEP	38.0	95	63.0	19.4	40.0

Max is 90 percentile and min is 10 percentile.

Averages are for the 1971-2000 period.

If you have questions, please contact: USDA / Risk Management Agency / Topeka Regional Office – Telephone 785.266.0248

May 16, 2007

All volumes are in KAF.

footnotes:

1) streamflow is adjusted for upstream storage