

LIBBY PROJECT INFLOW FORECAST, KAF 2004

FORECAST DATE		1 Nov
FORECAST SUMMARY		
Drafts reflect VARQ flood control operations at Libby.		
Apr-Aug runoff, Libby inflow, KAF		6834
Apr-Aug norm, 6248, 1971-200C		109.4%
Apr-Jul runoff, KAF		6171
May-Jul runoff, KAF		5601
Jan-Jul runoff, KAF		7514
Date-Jul runoff, KAF		7514
Forecast standard error, KAF		1352
95% Confidence Factor -		2258
Single Tailed Probability		
95% Non-exceedance Limit, KAF		9092
5% Non-exceedance Limit, KAF		4576
FLOOD CONTROL, DRAFT BY:		
	30 Nov	31 Dec
required draft, KAF	500	2000
required elevation, FT	2448.0	2411.0

FORECAST					
Variable	Observed Value	Percent Average	Regression Coefficient	Marginal RO (KAF)	Percent Average
Sum of Jun, Jul, Aug, Sep SOI	-1.30		14.8	-19	
Oct Precip at Banff, AE	1.92	155%	116.4	224	
Oct Precip at Bonners Ferry, IL	1.36	69%	91.5	124	
Oct Precip at Castlegar, BC	2.72	129%	89.8	244	
Oct Precip at Fortine 1N, MI	0.46	40%	136.8	63	
Oct Precip at GNP Rogers Pass, BC	10.28	191%	36.2	372	
Oct Precip at Kaslo, BC	4.45	166%	80.4	358	
Oct Precip at West Glacier, MI	2.74	119%	78.6	215	
Intercept	1.00		5252.5	5253	
LIBBY APR-AUG RUNOFF FORECAST, KAF				6834	109.4%
95% Non-exceedance Limit, KAF				9092	145.5%
5% Non-exceedance Limit, KAF				4576	73.2%

REGRESSION MODEL FORECAST STATISTICS				
1971-2000 Average Runoff, KAF			6248	100.0%
Forecast Standard Error, KAF		1352		
95% Confidence Factor -		2258		
Single Tailed Probability				

LONG TERM HISTORIC STATISTICS				
1929-2002 Average Runoff, KAF			6313	
1929-2002 Standard Deviation, KAF		1492		
Historic 74-year 95% non-exceedance limit			8805	140.9%
Historic 74-year 5% non-exceedance limit			3821	61.2%

Questions? Ken Soderlind, 503-808-3950; Chan Modini, 503-808-3958; Arun Mylvahanan, 503-808-396

Footnote:
 1/ Forecasts for months other than the current month may be different than the official forecast released earlier. Differences are due to updated streamflow, precip, or snow data