

FORECAST DATE	1 Nov	1 Dec	1 Jan	1 Feb	1 Mar		
FORECAST'S KAF Draft requirements based on Libby VARQ storage reservation diagram.							
Apr-Aug runoff, Libby inflow	6533	6451	5346	5188	5359		
Apr-Aug norm, 6248, 1971-2000	104.6%	103.2%	85.6%	83.0%	85.8%		
Apr-Jul runoff	5900	5825	4828	4685	4839		
May-Jul runoff	5355	5287	4382	4252	4392		
Jan-Jul runoff	7184	6771	5396	5212	5347		
Date-Jul runoff	7184	6771	5396	5054	5048		
Forecast standard error, KAF	1352	1175	776	579	553		
95% Confidence Error - Single Tailed Probability @ 1.67	2258	1962	1296	967	924		
95% Non-exceedance Limit, KAF	8791	8413	6642	6155	6282		
5% Non-exceedance Limit, KAF	4275	4488	4050	4221	4435		
FLOOD CONTROL, DRAFT BY:							
required draft, KAF	30 Nov	31 Dec	31 Jan	28 Feb	15 Mar	31 Mar	30 Apr
required elevation, ft	500	2000	1400	1000	800	758	701
	2448.0	2411.0	2426.7	2436.4	2441.1	2442.1	2443.4

FORECAST	Observed Value	Regression Coefficient	Marginal RO (KAF)	Percent Average
Sum of Jun, Jul, Aug, Sep SOI	-1.30			
Dec-Feb Precip at Fernie, BC	9.20	31.4	288.656	
Dec-Feb Precip at Cranbrook, BC	2.28	56.9	129.918	
Dec-Feb Precip at Banff, AB	1.26	74.3	93.328	
Dec-Feb Precip at Libby 1NE RS, MT	9.83	72.3	710.621	
Oct-Dec Precip at Glacier NP RP, BC	19.09	19.6	374.806	
Oct-Dec Precip at Kaslo, BC	9.92	41.4	410.820	
Oct-Dec Precip at Fortine, MT	1.61	103.4	166.522	
Oct-Dec Precip at West Glacier, MT	9.18	45.1	413.889	
1-Mar East Creek Snow Course, BC	20.83	18.3	380.526	
1-Mar Marble Canyon Snow Course, BC	8.70	44.3	385.793	
1-Mar Stahl Peak, MT	26.60	20.6	547.401	
1-Mar Hawkins Lake Snow Course, MT	18.40	22.0	405.683	
Intercept	1.00	1051.0	1051.000	
LIBBY APR-AUG RUNOFF FORECAST, KAF			5359	85.8%
95% Non-exceedance Limit, KAF			6282	100.6%
5% Non-exceedance Limit, KAF			4435	71.0%

REGRESSION MODEL FORECAST STATISTICS			
1971-2000 Average Runoff, KAF			6248 100.0%
Forecast Standard Error, KAF	553		
95% Confidence Factor - 1.67-constant Single Tailed Probability	924		

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%

The given forecast values are to be considered the Corps of Engineers Official Forecast for Libby.
 Questions? Ken Soderlind, 503-808-3950; Chan Modini, 503-808-3958; Arun Mylvahanan, 503-808-3961
 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.