

FORECAST DATE 1/	1 Nov	1 Dec	1 Jan	1 Feb			
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FORECAST'S KAF	Draft requirements based on Libby VARQ storage reservation diagram.						
Apr-Aug runoff, Libby inflow	6174	6181	5786	5630			
Apr-Aug normal, 6248 KAF, 1971-2000	98.8%	98.9%	92.6%	90.1%			
Apr-Jul runoff	5575	5581	5225	5084			
May-Jul runoff	5060	5066	4743	4614			
Jan-Jul runoff	6231	6238	5840	5805			
Date-Jul runoff	6231	6238	5840	5484			
Forecast standard error, KAF	1352	1175	776	579			
95% Confidence Error - Single Tailed Probability @ 1.67	2258	1962	1296	967			
95% Non-exceedance Limit, KAF	8432	8143	7070	6593			
5% Non-exceedance Limit, KAF	3916	4218	4502	4666			
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VARQ FLOOD CONTROL, DRAFT BY:	30 Nov	31 Dec	31 Jan	28 Feb	15 Mar	31 Mar	30 Apr
required draft, KAF	500	2000	1629	1182	1021	1021	1021
required elevation, ft	2448.0	2411.0	2420.9	2432.1	2435.9	2435.9	2435.9
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FORECAST	Observed Value	Percent Average	Regression Coefficient	Marginal RO (KAF)	Percent Average
Variable					
Oct-Dec Precip at Fortine, MT	4.24	117%	107.3	455	
Oct-Dec Precip at Glacier NP RP, BC	19.15	89%	19.9	381	
Oct-Dec Precip at Kaslo, BC	10.01	84%	42.7	427	
Oct-Dec Precip at West Glacier, MT	10.49	120%	45.9	481	
Dec-Jan Precip at Libby 1NE RS, MT	2.68	60%	70.7	189	
Dec-Jan Precip at Fernie, BC	8.72	76%	38.6	337	
Dec-Jan Precip at Banff, AB	2.56	102%	92.1	236	
Dec-Jan Precip at Cranbrook, BC	2.15	65%	59.8	129	
1-Feb SWE East Creek Snow Pillow, BC	26.87	106%	23.1	621	
1-Feb SWE Stahl Peak Snow Pillow, MT	20.20	82%	23.5	475	
1-Feb SWE Vermillion R #3 Snow Course, BC	7.09	71%	57.6	408	
1-Feb SWE at Hawkins Lake, MT	9.80	53%	26.9	264	
Intercept	1.00		1227.0	1227	
LIBBY APR-AUG RUNOFF FORECAST, KAF				5630	90.1%
95% Non-exceedance Limit, KAF				6597	105.6%
5% Non-exceedance Limit, KAF				4663	74.6%
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REGRESSION MODEL FORECAST STATISTICS		
1971-2000 Normal Runoff, APR-AUG, KAF	6248	100.0%
Forecast Standard Error, APR-AUG, KAF	579	
95% Confidence Factor - 1.67-constant Single Tailed Probability	967	
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LONG TERM HISTORIC STATISTICS		
1929-2002 Normal Runoff, APR-AUG, KAF	6313	
1929-2002 Standard Deviation, APR-AUG, KAF	1492	
Historic 74-year 95% non-exceedance limit	8805	139.5%
Historic 74-year 5% non-exceedance limit	3821	60.5%

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.