

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	6976	6581	5451	6186				
Apr-Aug normal, 6248 KAF, 1971-2000	111.7%	105.3%	87.2%	99.0%				
Apr-Jul runoff	6300	5942	4922	5586				
May-Jul runoff	5718	5394	4467	5070				
Jan-Jul runoff	7041	6642	5501	6347				
Date-Jul runoff	7041	6642	5501	6025				
Forecast standard error, KAF	1303	1177	776	579				
95% Confidence Error - Single Tailed Probability @ 1.68	2189	1977	1304	973				
95% Non-exceedance Limit, KAF	9165	8558	6754	7158				
5% Non-exceedance Limit, KAF	4787	4603	4147	5213				
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VARQ FLOOD CONTROL, DRAFT BY:	30 Nov	31 Dec	31 Jan	28 Feb	15 Mar	31 Mar	15 Apr	30 Apr
required draft, KAF	500	2000	1400	1960	1966	1966	1966	1966
required elevation, ft	2448.0	2411.0	2426.7	2412.1	2412.0	2412.0	2412.0	2412.0
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FORECAST	Observed Value	Percent Average	Regression Coefficient	Marginal RO (KAF)	Percent Average
Variable					
Oct-Dec Precip at Fortine, MT	4.19	116%	107.3	450	
Oct-Dec Precip at Glacier NP RP, BC	14.28	66%	19.9	284	
Oct-Dec Precip at Kaslo, BC	8.48	71%	42.7	362	
Oct-Dec Precip at West Glacier, MT	11.00	126%	45.9	505	
Dec-Jan Precip at Libby 1NE RS, MT	7.51	167%	70.7	531	
Dec-Jan Precip at Fernie, BC	11.12	96%	38.6	429	
Dec-Jan Precip at Banff, AB	1.03	41%	92.1	95	
Dec-Jan Precip at Cranbrook, BC	3.00	90%	59.8	179	
1-Feb SWE East Creek Snow Pillow, BC	29.69	117%	23.1	686	
1-Feb SWE Stahl Peak Snow Pillow, MT	27.70	112%	23.5	651	
1-Feb SWE Vermillion R #3 Snow Course, BC	5.91	59%	57.6	340	
1-Feb SWE at Hawkins Lake, MT	16.60	89%	26.9	447	
Intercept	1.00		1227.0	1227	
LIBBY APR-AUG RUNOFF FORECAST, KAF				6186	99.0%
95% Non-exceedance Limit, KAF				7158	114.6%
5% Non-exceedance Limit, KAF				5213	83.4%
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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 - 1.68 - Single Tailed Probability	973	

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	8820	139.7%
Historic 74-year 5% non-exceedance limit	3806	60.3%

The given forecast values are to be considered the Corps of Engineers Official Forecast for Libby.

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Note:

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.