

LIBBY PROJECT INFLOW FORECAST, KAF

2006

FORECAST DATE	1 Nov	1 Dec
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FORECAST SUMMARY		
Draft requirements based on Libby VARQ storage reservation diagram.		
Apr-Aug runoff, Libby inflow, KAF	6969	6625
Apr-Aug normal, 6248 KAF, 1971-2000	111.5%	106.0%
Apr-Jul runoff, KAF	6293	5983
May-Jul runoff, KAF	5712	5430
Jan-Jul runoff, KAF	7034	6687
Date-Jul runoff, KAF	7034	6687
Forecast standard error, KAF	1352	1175
95% Confidence Error -	2271	1974
Single Tailed Probability @ 1.68		
95% Non-exceedance Limit, KAF	9240	8599
5% Non-exceedance Limit, KAF	4698	4651
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FLOOD CONTROL, DRAFT BY:		
	30 Nov	31 Dec
required draft, KAF	500	2000
required elevation, ft	2448.0	2411.0
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FORECAST					
Variable	Observed Value	Percent Average	Regression Coefficient	Marginal RO (KAF)	Percent Average
Sum of Jun, Jul, Aug, Sep SOI	-0.30		24.5	-7	
Oct-Nov Precip at Fernie, BC	10.69	108%	33.6	359	
Oct-Nov Precip at Libby 1N Ranger Stn., MT	3.93	101%	102.0	401	
Oct-Nov Precip at Fortine 1N, MT	3.24	127%	139.0	450	
Oct-Nov Precip at GNP Rogers Pass, BC	9.85	75%	31.0	305	
Oct-Nov Precip at Kaslo, BC	5.61	85%	68.4	384	
Oct-Nov Precip at West Glacier, MT	7.65	143%	71.9	550	
Intercept	1.00		4183.0	4183	
LIBBY APR-AUG RUNOFF FORECAST, KAF					
95% Non-exceedance Limit, KAF				6625	106.0%
5% Non-exceedance Limit, KAF				8603	137.7%
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REGRESSION MODEL FORECAST STATISTICS					
1971-2000 Normal Runoff, APR-AUG, KAF				6248	100.0%
Forecast Standard Error, APR-AUG, KAF			1177		
95% Confidence Factor -			1977		
1.68 - Single Tailed Probability					
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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				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. Questions? Ken Soderlind, 503-808-3950; Patti Etzel, 503-808-3958; John McCoskery, 503-808-3951

Notes:

- 1/ Forecasts for months other than the current month may be different than the official forecast released earlier. Differences are due to updated streamflow, precipitation, or snow data.
- 2/ Based on December forecast, no relaxation allowed for December target elevation.