

FORECAST DATE 1/	1 Nov	1 Dec	1 Jan	1 Feb			
FORECAST'S KAF							
Draft requirements based on Libby VARQ storage reservation diagram.							
Apr-Aug runoff, Libby inflow	6865	6756	5708	5644			
Apr-Aug norm, 6248, 1971-2000	109.9%	108.1%	91.4%	90.3%			
Apr-Jul runoff	6199	6101	5154	5097			
May-Jul runoff	5627	5537	4678	4626			
Jan-Jul runoff	7549	7091	5761	5656			
Date-Jul runoff	7549	7091	5761	5498			
Forecast standard error, KAF	1352	1175	867	590			
95% Confidence Error -	2258	1962	1448	985			
Single Tailed Probability @ 1.67							
95% Non-exceedance Limit, KAF	9123	8718	7156	6630			
5% Non-exceedance Limit, KAF	4607	4794	4260	4659			
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	1566	1202	1046	1046	1046
	2448.0	2411.0	2422.5	2431.6	2435.4	2435.4	2435.4

FORECAST	Observed Value	Percent Average	Regression Coefficient	Marginal RO (KAF)	Percent Average
Variable					
Sum of Jun, Jul, Aug, Sep SOI	-1.30		47.4	-62	
January Precip at Kalispell, MT	1.83	124%	249.4	456	
January Precip at Cranbrook, BC	0.94	58%	229.3	216	
1-Feb East Creek Snow Pillow, BC	18.70	74%	46.3	866	
1-Feb Stahl Peak Snow Pillow, MT	23.10	93%	44.3	1023	
1-Feb Marble Canyon Snow Course, BC	9.35	93%	106.0	991	
1-Feb Sullivan Mine Course, BC	7.09	81%	93.5	662	
Intercept	1.00		1491.8	1492	
LIBBY APR-AUG RUNOFF FORECAST, KAF				5644	90.3%
95% Non-exceedance Limit, KAF				6630	106.1%
5% Non-exceedance Limit, KAF				4659	74.6%

REGRESSION MODEL FORECAST STATISTICS		
1971-2000 Average Runoff, KAF		6248 100.0%
Forecast Standard Error, KAF	590	
95% Confidence Factor -	985	
1.67-constant 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, 503-808-3961

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.