

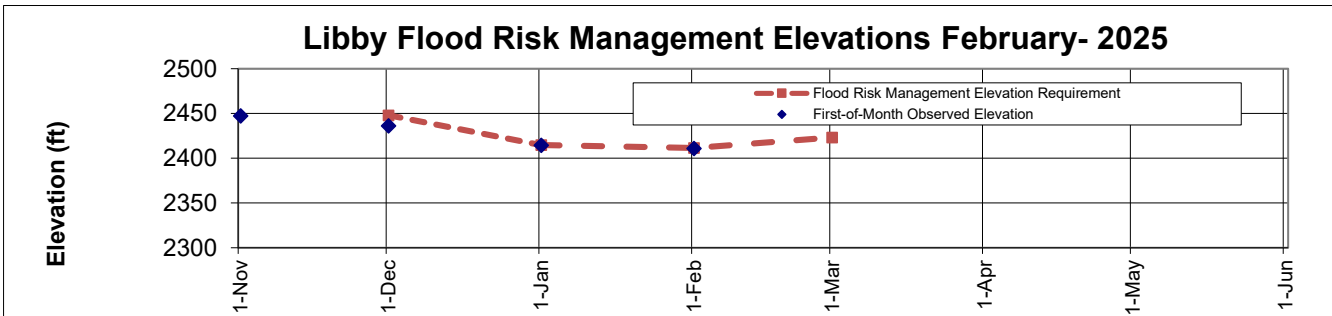
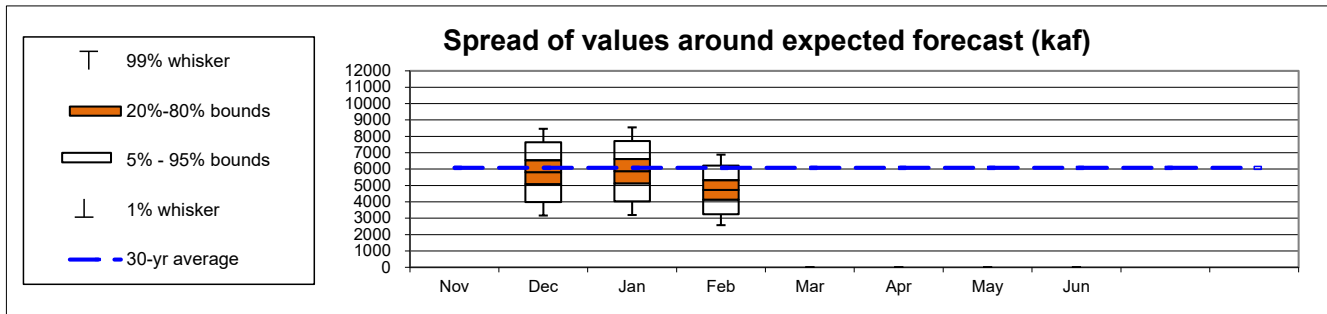
Libby : February Runoff Forecast & Flood Risk Management Calculation

WY 2025

Runoff Forecast	February	1991-2020 Average	1991 - 2020 Percent of Average	1929-2020 Average	1929 - 2020 Percent of Average
Most Probable Runoff Volume: Apr-Aug (kaf)	4728	6080	78%	6259	76%
Most Probable Runoff Volume: Apr-Jul (kaf)	4256	5570	76%	5708	75%
Most Probable Runoff Volume: May-Jul (kaf)	3824	5014	76%	5183	74%

Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		5812	5871	4728				
First-of-Month Elev (ft)	2447.5	2436.1	2414.4	2410.9				

Seasonal FRM Requirements	30-Nov	31-Dec	31-Jan	28-Feb	31-Mar	30-Apr		
Flood Risk Management Space (kaf)	500	1867	1983	1541				
Flood Risk Management Elevation (ft)	2448.0	2414.6	2411.5	2423.1				



Notes:

- The given forecast is the official Corps of Engineers forecast for Libby. If you have any questions please contact Leon Basdekas (208) 353-2564, Andrew McCall (206) 715-2793, or David Doll (206) 741-3538.
- If a prior month's forecast as published in this document is different than what was originally published in the issue month, then the earlier forecast has been adjusted to reflect updated values for precipitation or streamflow.

Libby : February Runoff Forecast & Flood Risk Management Calculation
Apr-Aug Runoff Forecast Calculation:

Variable	Month(s)	Units	Observed Value A	Percent of Average (1991-2020)	Regression Coefficient B	Marginal Runoff (KAF) =A*B
SOI	ΣJun:Jul					
Eureka RS, MT	ΣOct:Jan Prcp	inches	3.27	71%	78.47	256.6
West Glacier, MT	ΣOct:Jan Prcp	inches	9.15	70%	30.95	283.2
Cranbrook A, BC	ΣOct:Jan Prcp	millimeters	79.60	64%	2.84	226.1
Fernie, BC	ΣOct:Jan Prcp	millimeters	472.19	95%	0.72	340.0
Hawkins Lake, MT	1-Feb SWE	inches	12.8	78%	30.60	391.7
Stahl Peak, MT	1-Feb SWE	inches	21.30	88%	22.99	489.7
East Creek, BC	1-Feb SWE	millimeters	420.40	68%	0.75	315.3
Moyie Mountain, BC	1-Feb SWE	millimeters	206.40	70%	1.48	305.5
Sunshine Village, AB	1-Feb SWE	millimeters	236.00	61%	1.47	346.9
Akamina Pass, AB	1-Feb SWE	millimeters	208.54	66%	1.27	264.8
South Racehorse Creek, AB	1-Feb SWE	millimeters	142.00	55%	1.53	217.3
Intercept			1		1291.47	1291.5
January Forecast	April - August	kaf				4728.5

Data used in Libby Water Supply Forecast

Climate Data				Jun-22	Jul-22
SOI				0.00	-0.70

Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Eureka RS, MT (inch)	0.60	1.25	1.01	0.41				
West Glacier, MT (inch)	0.98	4.49	3.01	0.67				
Cranbrook A, BC (mm)	8.50	44.40	19.70	7.00				
Fernie, BC (mm)	151.89	187.20	112.52	20.57				

Snow Water Equiv	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Hawkins Lake, MT (inch)				13				
Stahl Peak, MT (inch)			20	21				
East Creek, BC (mm)				420				
Moyie Mountain, BC (mm)			192	206				
Sunshine Village, AB (mm)			211	236				
Akamina Pass, AB (mm)				209				
South Racehorse Creek, AB (mm)				142				

Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			139.8					

Reservoir Elevation	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby FOM Elev (feet)	2447.5	2436.1	2414.4	2410.9				

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