

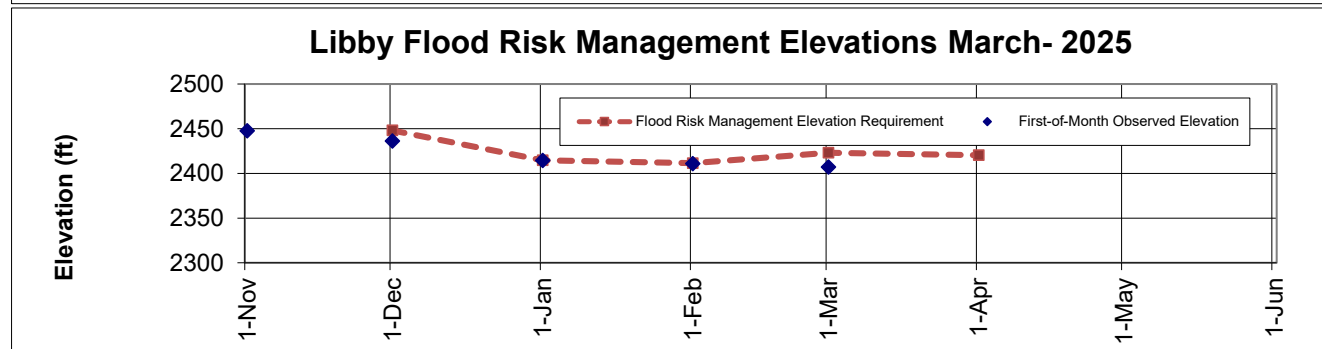
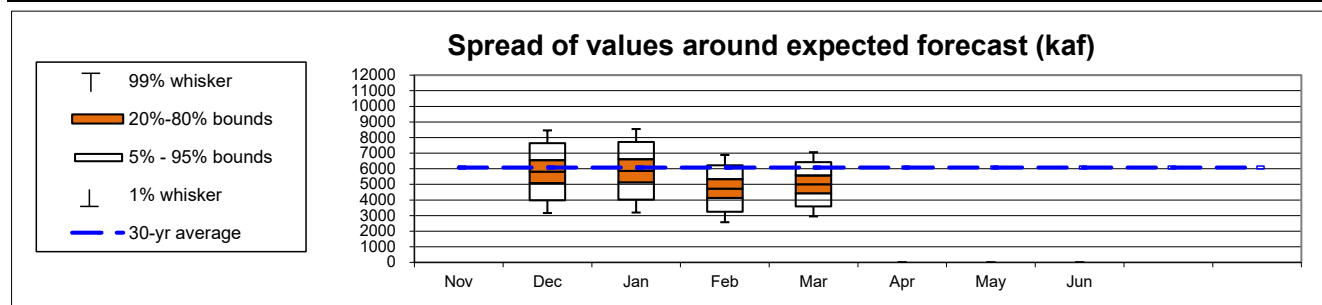
Libby : March Runoff Forecast & Flood Risk Management Calculation

WY 2025

Runoff Forecast	March	1991-2020 Average	1991 - 2020 Percent of Average	1929-2020 Average	1929 - 2020 Percent of Average
Most Probable Runoff Volume: Apr-Aug (kaf)	5004	6080	82%	6259	80%
Most Probable Runoff Volume: Apr-Jul (kaf)	4585	5570	82%	5708	80%
Most Probable Runoff Volume: May-Jul (kaf)	4127	5014	82%	5183	80%

Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		5812	5871	4728	5004			
First-of-Month Elev (ft)	2447.5	2436.1	2414.4	2410.9	2407.0			

Seasonal FRM Requirements	30-Nov	31-Dec	31-Jan	28-Feb	31-Mar	30-Apr		
Flood Risk Management Space (kaf)	500	1867	1983	1541	1647			
Flood Risk Management Elevation (ft)	2448.0	2414.6	2411.5	2423.1	2420.4			



1. 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.

2. 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 : March 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:Feb Prcp	inches	4.57	86%	65.87	301.0
West Glacier, MT	ΣOct:Feb Prcp	inches	11.71	77%	28.51	333.9
Cranbrook A, BC	ΣOct:Feb Prcp	millimeters	95.50	66%	2.73	260.7
Fernie, BC	ΣOct:Feb Prcp	millimeters	554.48	96%	0.63	349.3
Hawkins Lake, MT	1-Mar SWE	inches	18.10	88%	24.33	440.4
Stahl Peak, MT	1-Mar SWE	inches	26.30	89%	19.11	502.6
East Creek, BC	1-Mar SWE	millimeters	506.58	69%	0.65	329.3
Moyie Mountain, BC	1-Mar SWE	millimeters	310.90	85%	1.27	394.8
Sunshine Village, AB	1-Mar SWE	millimeters	288.00	65%	1.26	362.9
Akamina Pass, AB	1-Mar SWE	millimeters	277.97	69%	1.04	289.1
South Racehorse Creek, AB	1-Mar SWE	millimeters	213.00	63%	1.40	298.2
Intercept			1		1142.00	1142.0
March Forecast	April - August	kaf				5004.2

Data used in Libby Water Supply Forecast

Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Eureka RS, MT (inch)	0.60	1.25	1.01	0.41	1.30			
West Glacier, MT (inch)	0.98	4.49	3.01	0.67	2.56			
Cranbrook A, BC (mm)	8.50	44.40	19.70	7.00	15.90			
Fernie, BC (mm)	151.89	187.20	112.52	20.57	82.30			
Snow Water Equiv	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Hawkins Lake, MT (inch)				13	18			
Stahl Peak, MT (inch)			20	21	26			
East Creek, BC (mm)				420	507			
Moyie Mountain, BC (mm)			192	206	311			
Sunshine Village, AB (mm)			211	236	288			
Akamina Pass, AB (mm)				209	278			
South Racehorse Creek, AB (mm)				142	213			
Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			140	129				
Reservoir Elevation	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Libby FOM Elev (feet)	2447.5	2436.1	2414.4	2410.9	2407.0			

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