

Libby : February Runoff Forecast & Flood Risk Management Calculation

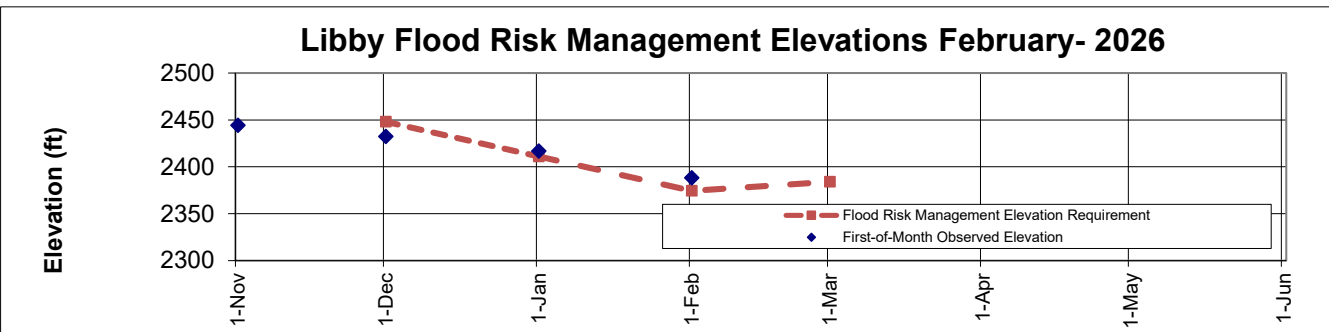
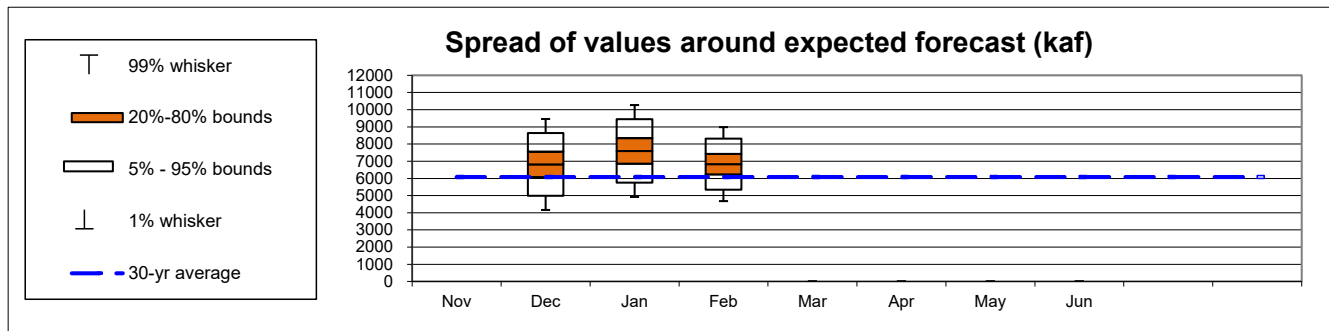
WY 2026

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)	6831	6080	112%	6259	109%
Most Probable Runoff Volume: Apr-Jul (kaf)	6149	5570	110%	5708	108%
Most Probable Runoff Volume: May-Jul (kaf)	5524	5014	110%	5183	107%

Flood Risk Management	February
28-Feb Flood Risk Management Space (kaf)	2871
28-Feb Flood Risk Management Elevation (ft)	2383.9

Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		6811	7595	6831				
First-of-Month Elev (ft)	2444.1	2432.3	2416.7	2388.1				

Seasonal FRM Requirements	30-Nov	31-Dec	31-Jan	28-Feb	31-Mar	30-Apr		
Flood Risk Management Space (kaf)	500	2000	3138	2871				
Flood Risk Management Elevation (ft)	2448.0	2411.0	2374.4	2383.9				



Notes:

1. The given forecast is the official Corps of Engineers forecast for Libby. If you have any questions please contact David Varner (206) 316-3155, Leon Basdekas (208) 353-2564, Jason Chang (206) 764-3528, Lumas Helaire (206) 316-3875, Ethan Cheng (206) 572-2798, Piper Klinger (206) 764-6843, or David Doll (206) 316-3003.
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.

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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	6.17	134%	78.47	484.2
West Glacier, MT	ΣOct:Jan Prcp	inches	15.66	120%	30.95	484.5
Cranbrook A, BC	ΣOct:Jan Prcp	millimeters	125.20	101%	2.84	355.6
Fernie, BC	ΣOct:Jan Prcp	millimeters	617.90	124%	0.72	444.9
Hawkins Lake, MT	1-Feb SWE	inches	17.7	109%	30.60	541.6
Stahl Peak, MT	1-Feb SWE	inches	24.50	102%	22.99	563.3
East Creek, BC	1-Feb SWE	millimeters	924.63	149%	0.75	693.5
Moyie Mountain, BC	1-Feb SWE	millimeters	279.60	95%	1.48	413.8
Sunshine Village, AB	1-Feb SWE	millimeters	498.00	129%	1.47	732.1
Akamina Pass, AB	1-Feb SWE	millimeters	336.16	107%	1.27	426.9
South Racehorse Creek, AB	1-Feb SWE	millimeters	261.00	100%	1.53	399.3
Intercept			1		1291.47	1291.5
February Forecast	April - August	kaf				6831.1

Data used in Libby Water Supply Forecast

Climate Data				Jun-25	Jul-25
SOI				0.30	0.60

Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Eureka RS, MT (inch)	1.18	2.08	2.51	0.40				
West Glacier, MT (inch)	3.50	5.68	5.12	1.36				
Cranbrook A, BC (mm)	19.40	36.20	57.10	12.50				
Fernie, BC (mm)	113.03	221.74	189.65	93.47				

Snow Water Equiv	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Hawkins Lake, MT (inch)				18				
Stahl Peak, MT (inch)			21	25				
East Creek, BC (mm)				925				
Moyie Mountain, BC (mm)			208	280				
Sunshine Village, AB (mm)			436	498				
Akamina Pass, AB (mm)				336				
South Racehorse Creek, AB (mm)				261				

Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			329.9					

Reservoir Elevation	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby FOM Elev (feet)	2444.1	2432.3	2416.7	2388.1				

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