

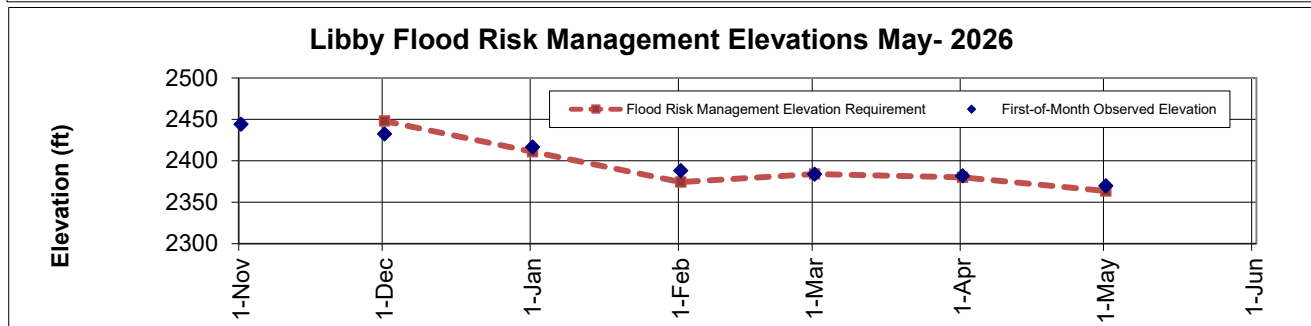
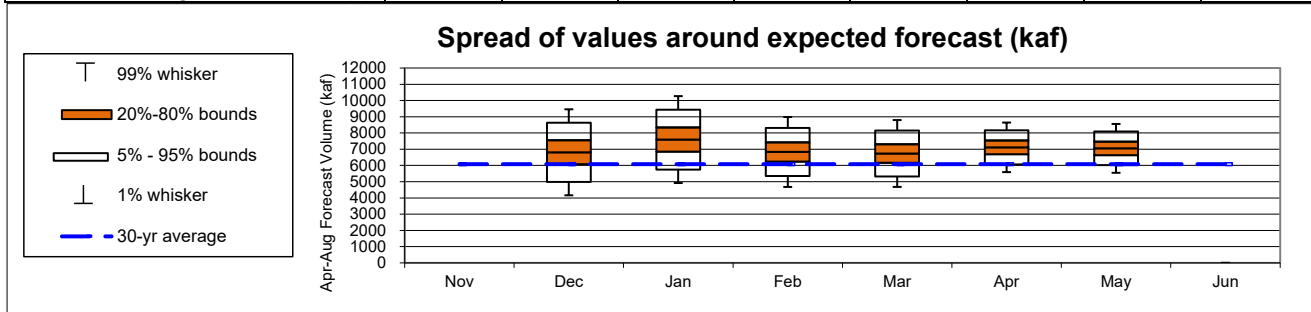
Libby : May Runoff Forecast & Flood Risk Management Calculation

WY 2026

Runoff Forecast	May	1991-2020 Average	1991 - 2020 Percent of Average	1929-2020 Average	1929 - 2020 Percent of Average
Most Probable Runoff Volume: Apr-Aug (kaf)	7053	6080	116%	6259	113%
Most Probable Runoff Volume: Apr-Jul (kaf)	6479	5570	116%	5708	113%
Most Probable Runoff Volume: May-Jul (kaf)	5647	5014	113%	5183	109%

Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		6811	7595	6831	6738	7117	7053	
First-of-Month Elev (ft)	2444.1	2432.3	2416.7	2388.1	2383.7	2381.8	2369.7	

Seasonal FRM Requirements	30-Nov	31-Dec	31-Jan	28-Feb	31-Mar	30-Apr		
Flood Risk Management Space (kaf)	500	2000	3138	2871	2978	3425		
Flood Risk Management Elevation (ft)	2448.0	2411.0	2374.4	2383.9	2380.2	2363.6		



Notes:

- 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.
- 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 : May 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	∑ Jun:Jul					
Eureka RS, MT	∑ Oct:Apr Prcp	inches	9.9	137%	57.5	569.3
West Glacier, MT	∑ Oct:Apr Prcp	inches	25.1	126%	28.0	704.5
Cranbrook A, BC	∑ Oct:Apr Prcp	millimeters	191.2	97%	2.8	535.4
Fernie, BC	∑ Oct:Apr Prcp	millimeters	990.8	130%	0.6	604.4
Hawkins Lake, MT	1-May SWE	inches	22.9	86%	17.3	396.2
Stahl Peak, MT	1-May SWE	inches	39.3	104%	16.7	657.9
East Creek, BC	1-May SWE	millimeters	1304.0	136%	0.6	743.3
Moyie Mountain, BC	1-May SWE	millimeters	132.4	35%	0.9	120.5
Sunshine Village, AB	1-May SWE	millimeters	798.0	130%	1.3	1005.5
Akamina Pass, AB	1-May SWE	millimeters	197.1	54%	0.6	108.4
South Racehorse Creek, AB	1-May SWE	millimeters	442.7	125%	0.8	367.4
Intercept			1		408.0	408.0
Forecast Inflow	May-August	kaf				6220.7
Observed Inflow	April	kaf	832.0			832.0
May Forecast	April - August	kaf				7052.7

**Data used in Libby Water Supply Forecast**

Climate Data				Jun-22	Jul-22
SOI				0.3	0.6

Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Eureka RS, MT (inch)	1.2	2.1	2.5	0.4	1.0	1.0	1.8	
West Glacier, MT (inch)	3.5	5.7	5.1	1.4	1.3	4.5	3.7	
Cranbrook A, BC (mm)	19.4	36.2	57.1	12.5	28.2	14.9	22.9	
Fernie, BC (mm)	113.0	221.7	189.7	93.5	82.0	215.4	75.4	

Snow Water Equiv	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Hawkins Lake, MT (inch)				17.7	20.4	21.4	22.9	
Stahl Peak, MT (inch)			20.9	24.5	28.7	34.1	39.3	
East Creek, BC (mm)				924.6	1056.0	1390.2	1304.0	
Moyie Mountain, BC (mm)			207.5	279.6	377.4	394.6	132.4	
Sunshine Village, AB (mm)			436.0	498.0	565.0	768.0	798.0	
Akamina Pass, AB (mm)				336.2	379.7	464.6	197.1	
South Racehorse Creek, AB (mm)				261.0	330.0	464.5	442.7	

Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			329.9	214.9	560.8	832.0		

Reservoir Elevation	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Libby FOM Elev (feet)	2444.1	2432.3	2416.7	2388.1	2383.7	2381.8	2369.7	

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