

Libby : June Runoff Forecast & Flood Risk Management Calculation

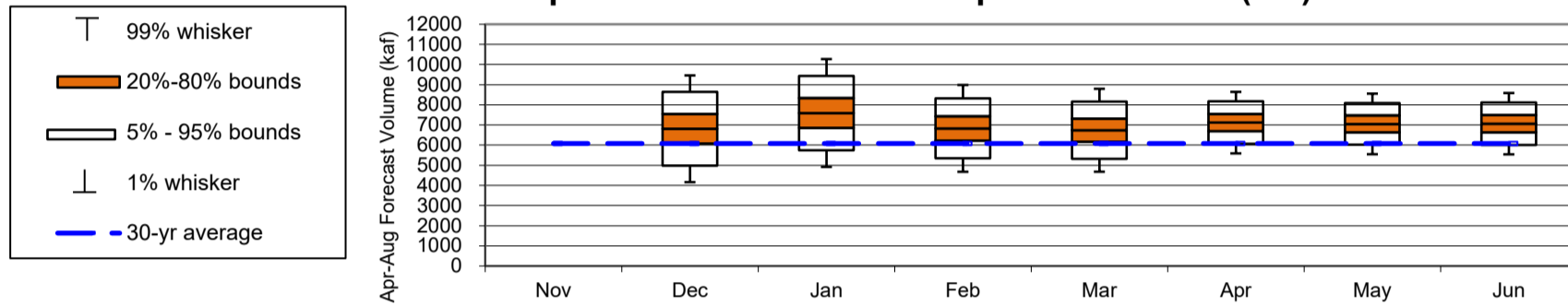
WY 2026

Runoff Forecast	June	1991-2020 Average	1991 - 2020 Percent of Average	1929-2020 Average	1929 - 2020 Percent of Average
Most Probable Runoff Volume: Apr-Aug (kaf)	7064	6080	116%	6259	113%
Most Probable Runoff Volume: Apr-Jul (kaf)	6524	5570	117%	5708	114%
Most Probable Runoff Volume: May-Jul (kaf)	5692	5014	114%	5183	110%

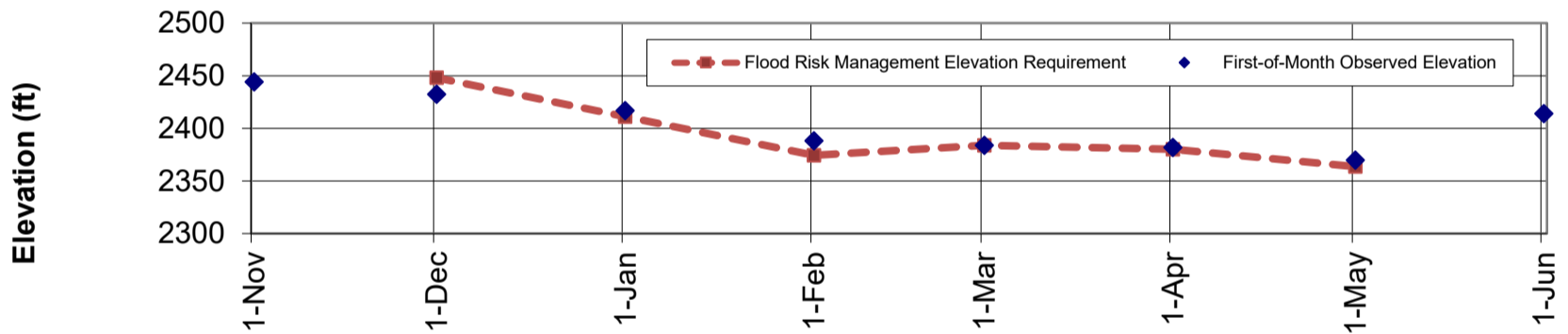
Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		6811	7595	6831	6738	7117	7053	7064
First-of-Month Elev (ft)	2444.1	2432.3	2416.7	2388.1	2383.7	2381.8	2369.7	2414.0

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		

Spread of values around expected forecast (kaf)



Libby Flood Risk Management Elevations June- 2026



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.
3. Nearby Cranbrook A (Auto), BC dataset was used in place of Cranbrook A, BC due to a missing data point in the latter.

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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:May Prcp	inches	12.2	135%	37.7	458.7
West Glacier, MT	ΣOct:May Prcp	inches	29.1	129%	22.5	652.7
Cranbrook A, BC	ΣOct:May Prcp	millimeters	222.7	92%	2.0	452.1
Fernie, BC	ΣOct:May Prcp	millimeters	1080.7	128%	0.5	542.5
Hawkins Lake, MT	1-Jun SWE	inches	0.0	0%	10.1	0.0
Stahl Peak, MT	1-Jun SWE	inches	17.3	63%	10.3	178.3
East Creek, BC	1-Jun SWE	millimeters	839.5	122%	0.4	362.9
Moyie Mountain, BC	1-Jun SWE	millimeters	0.2	0%	0.8	0.2
Sunshine Village, AB	1-Jun SWE	millimeters	582.0	129%	0.6	361.6
Akamina Pass, AB	1-Jun SWE	millimeters	33.5	53%	0.7	22.8
South Racehorse Creek, AB	1-Jun SWE	millimeters	9.0	9%	0.6	5.8
Intercept			1		978.0	978.0
Forecast Inflow	June-August	kaf				4015.6
Observed Inflow	April - May	kaf	3048.6			3048.6
May Forecast	April - August	kaf				7064.2

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	2.3
West Glacier, MT (inch)	3.5	5.7	5.1	1.4	1.3	4.5	3.7	3.9
Cranbrook A, BC (mm)	19.4	36.2	57.1	12.5	28.2	14.9	22.9	31.5
Fernie, BC (mm)	113.0	221.7	189.7	93.5	82.0	215.4	75.4	89.9

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	0.0
Stahl Peak, MT (inch)			20.9	24.5	28.7	34.1	39.3	17.3
East Creek, BC (mm)				924.6	1056.0	1390.2	1304.0	839.5
Moyie Mountain, BC (mm)			207.5	279.6	377.4	394.6	132.4	0.2
Sunshine Village, AB (mm)			436.0	498.0	565.0	768.0	798.0	582.0
Akamina Pass, AB (mm)				336.2	379.7	464.6	197.1	33.5
South Racehorse Creek, AB (mm)				261.0	330.0	464.5	442.7	9.0

Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			329.9	214.9	560.8	832.0	2216.6	

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	2414.0

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