

Libby : November Runoff Forecast & Flood Control Calculation

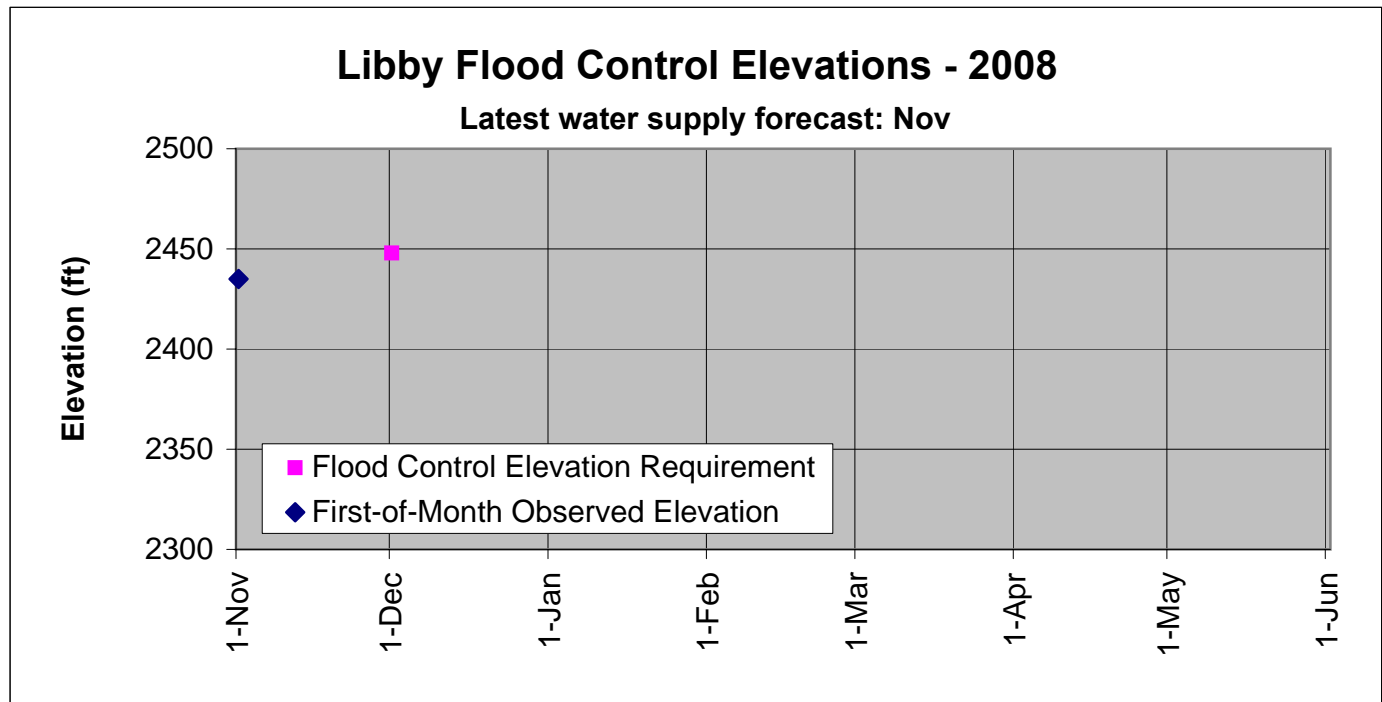
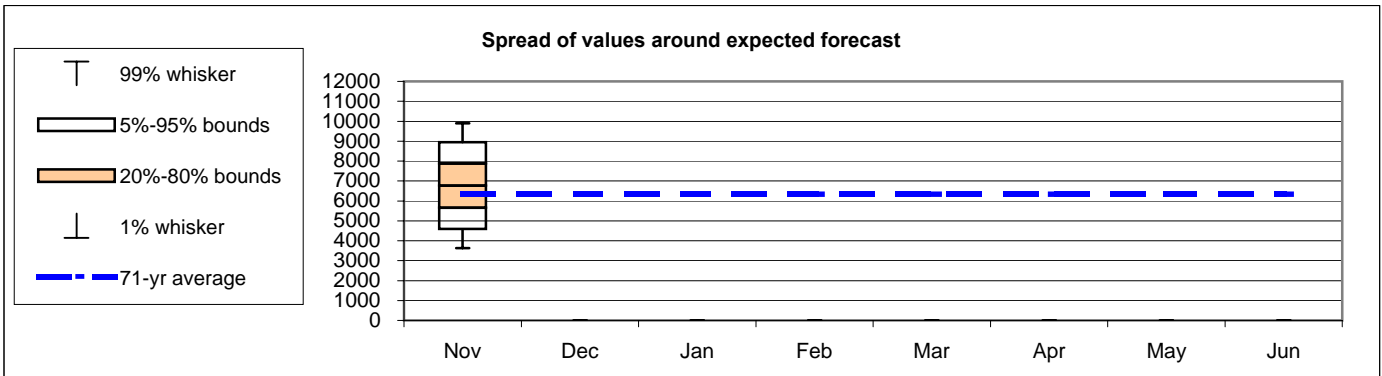
WY 2008

Runoff Forecast and Flood Control			
Most Probable Runoff Volume:	Apr-Aug	6764	KAF
	Apr-Jul	6159	KAF
	May-Jul	5600	KAF
30-Nov Flood Control Space		500	KAF
30-Nov Flood Control Elevation		2448.0	ft

1929-1999 Average Percent of Average

6337 107%
5771 107%
5247 107%

Seasonal Flood Control								
Forecast Date >>	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast	6764							
First-of-Month Elev	2435.0							
Date >>	30-Nov	31-Dec	31-Jan	28-Feb	15-Mar	31-Mar	15-Apr	30-Apr
Flood Control Space	500							
Flood Control Elevation	2448.0							



- Notes:
- The given forecast is the official Corps of Engineers forecast for Libby. If you have any questions please contact Ken Soderlind (503 808-3950), Patti Low (503 808-3958), or John McCoskery (503 808-3951).
 - Subsequent forecasts may differ from the originally published forecast due to updated values for precipitation, snow or streamflow.

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Apr-Aug Runoff Forecast Calculation:							
Variable	Month(s)	Units	Observed Value	Percent of Average	Regression Coefficient	Marginal Runoff (KAF)	
			A		B	=A*B	
SOI	∑Jun:Sep		0.00		137.2	0.0	
Fernie, BC	Oct Precip	inches	5.40	133%	36.3	195.9	
Glacier NP RP, BC	Oct Precip	inches	6.64	122%	31.2	207.3	
Kaslo, BC	Oct Precip	inches	3.22	122%	105.2	338.9	
Fortine 1N, MT	Oct Precip	inches	0.62	54%	41.8	25.9	
West Glacier, MT	Oct Precip	inches	2.96	129%	88.8	262.9	
Libby 1 NE RS, MT	Oct Precip	inches	2.05	129%	53.9	110.5	
Intercept			1		5622.4	5622.4	
1-Nov Forecast (KAF)					∑	6763.8	

Data used in Libby Water Supply Forecast

WY 2008

Climate Data	June	July	Aug	Sep					Units	
SOI	0.20	-0.50	0.10	0.20						
Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Units	
Cranbrook A, BC			57.90	25.80					mm	
Fernie, BC	137.20	85.40	172.00	129.60					mm	
Glacier NP Rogrs Pass, BC	168.60	211.00	256.50						mm	
Kaslo, BC	81.80	87.80	134.60						mm	
Banff, AB			36.60	19.80					mm	
Fortine 1N, MT	0.62	1.02	0.86						inch	
West Glacier, MT	2.96	2.00	3.92						inch	
Libby 1 NE RS, MT	2.05	1.91	3.03	2.68					inch	
Snow Water Equiv				1-Jan	1-Feb	1-Mar	1-Apr	1-May	15-May	Units
Vermillion Rvr No. 3, BC				136	187					mm
East Creek, BC				562	705					mm
Morrissey Ridge, BC										mm
Moyie Mountain, BC										mm
Sullivan Mine, BC										mm
Hawkins Lake, MT					18.7					inch
Stahl Peak, MT					27.1					inch
Streamflow				Jan	Feb	Mar	Apr	May	Jun	Units
Libby Inflow Volume				159.7						KAF
Reservoir Elevation	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	Units	
Libby FOM Elev	2435.0	2429.7	2411.0	2408.2					feet	