

Dworshak : October Runoff Forecast & Flood Control Calculation

WY 2009

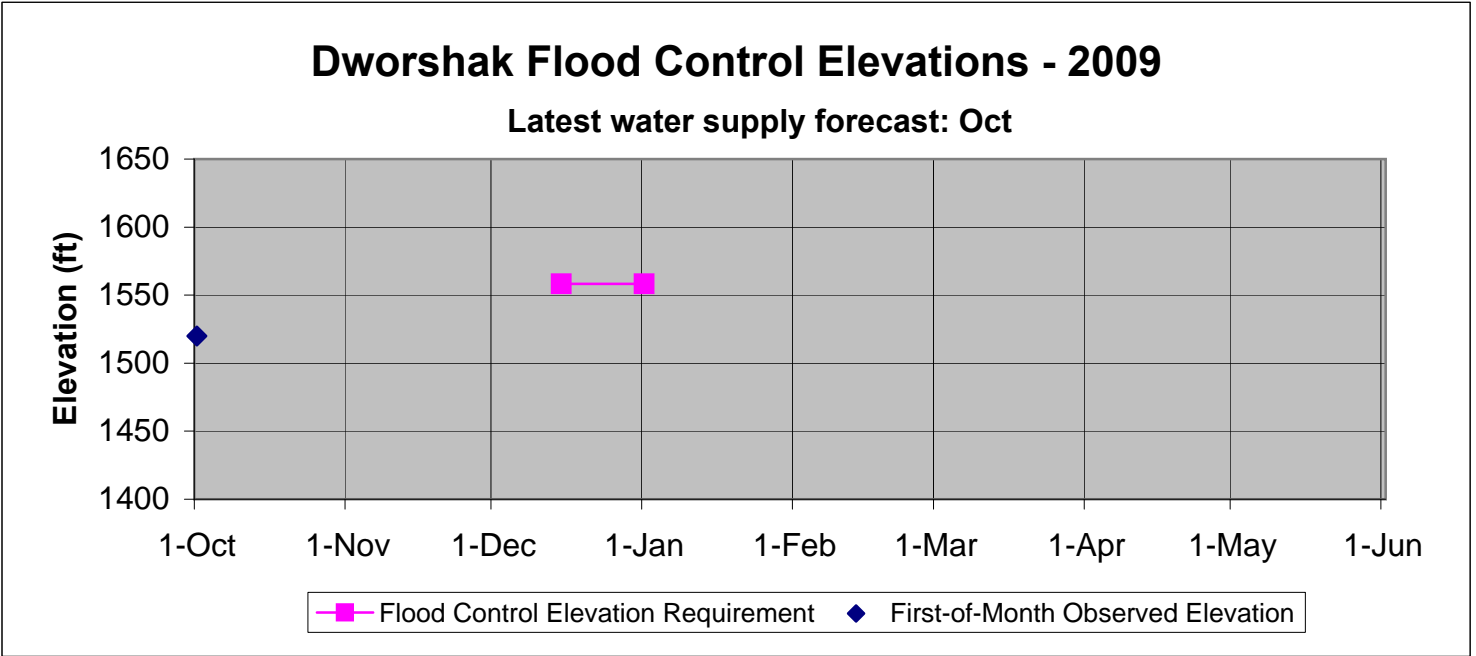
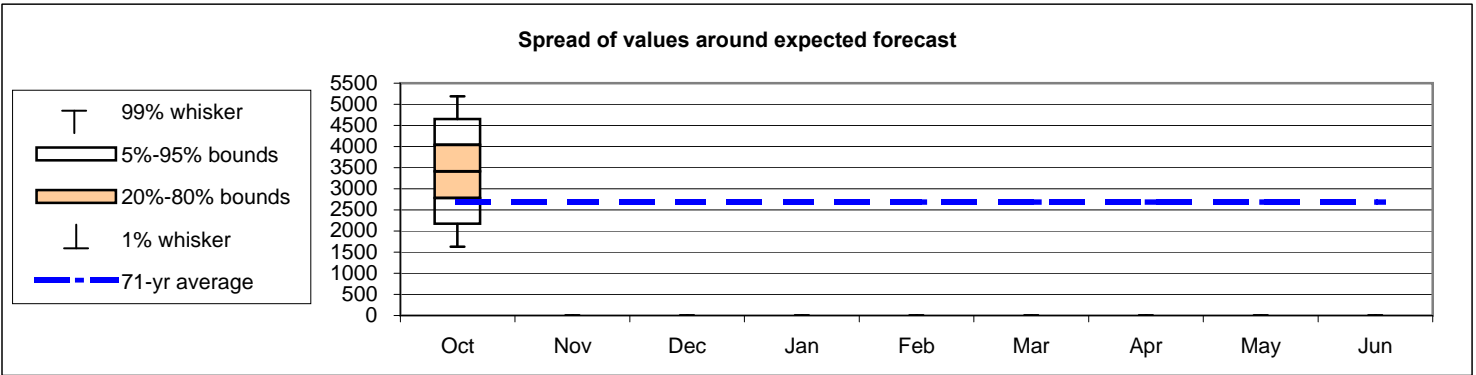
Runoff Forecast and Flood Control

Most Probable Runoff Volume	Apr-Jul	3409	KAF
	May-Jul	2516	KAF
31-Dec Flood Control Space		700	KAF
31-Dec Flood Control Elevation		1558.2	ft

1929-1999 Average	Percent of Average
2683	127%
1980	127%

Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)

Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Jul Runoff Forecast	3409								
First-of-Month Elev	1519.9								
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700						
Flood Control Elevation	--	1558.2	1558.2						



Notes:

- The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Tracy Schwarz (509 527 7522), or Steve Hall (509 527 7550).
- Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
- 15-Dec and 31-Dec flood control space is fixed at 700 KAF.

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Apr-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	1.50		511.73	767.6
Intercept		1		2641.52	2641.5
1-Oct Forecast (KAF)				Σ	3409.1

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	1.50								
Precipitation (monthly depth, inches)									
Headquarters, ID		--	--						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				--	--	--	--	--	--
Hemlock Butte, ID				--	--	--	--	--	--
Hoodoo Basin, MT				--	--	--	--	--	--
Pierce RS, ID				--	--	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
Streamflow (monthly volume, KAF)									
				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--