

Dworshak : December Runoff Forecast & Flood Control Calculation WY 2009

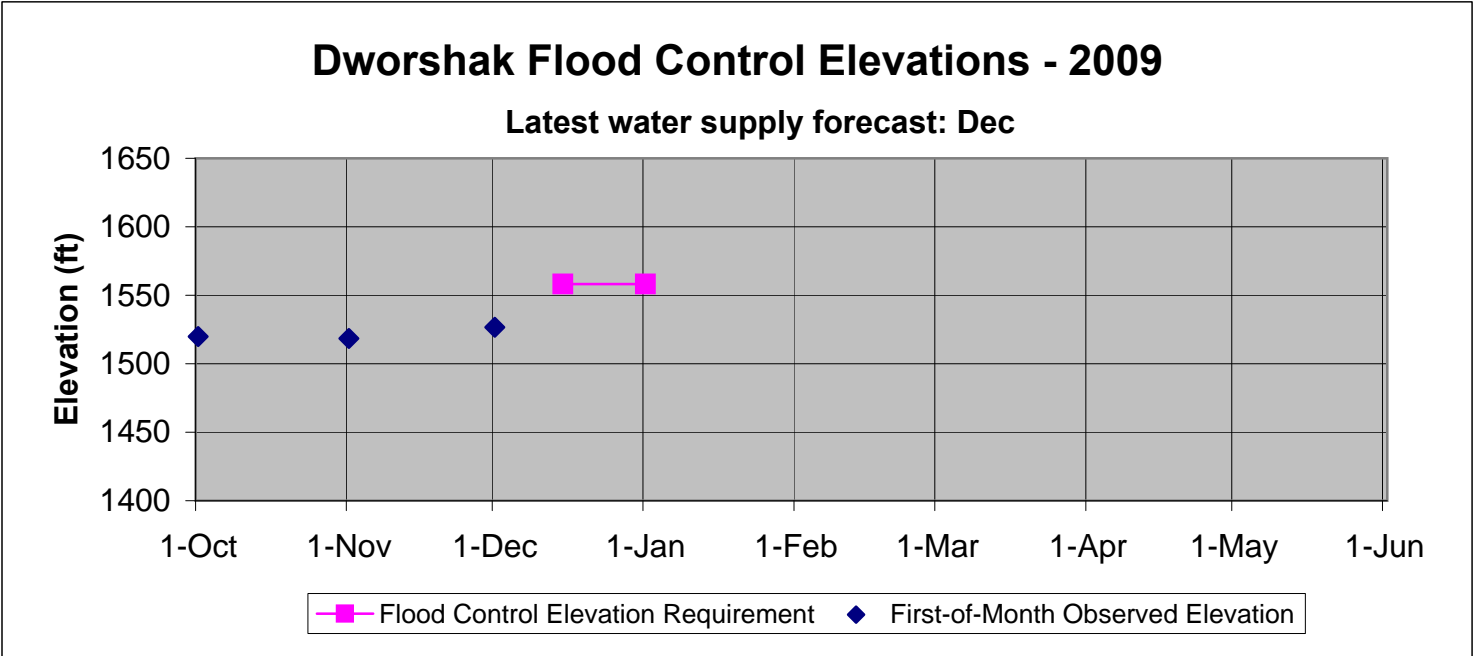
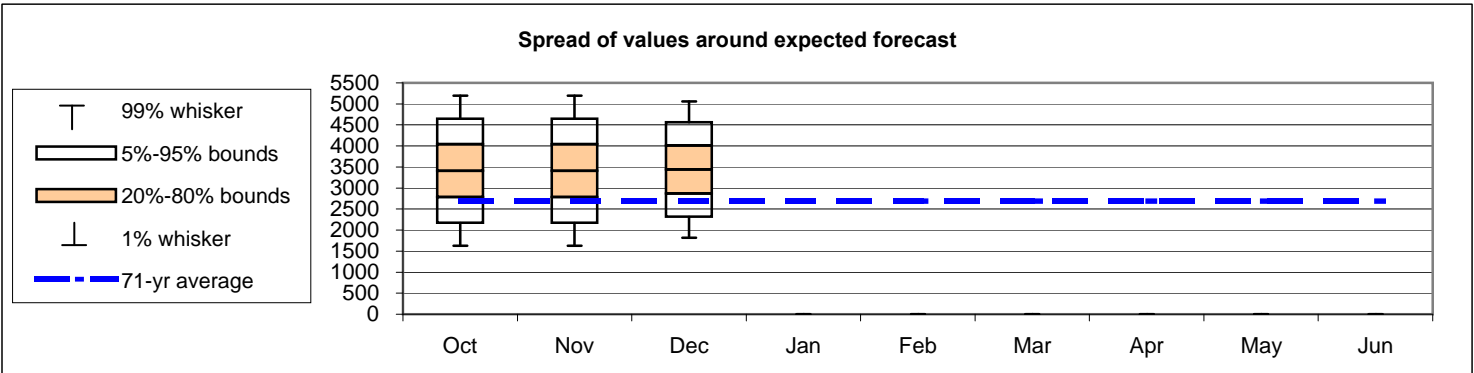
Runoff Forecast and Flood Control

Most Probable Runoff Volume	Apr-Jul	3437	KAF
	May-Jul	2537	KAF
31-Dec Flood Control Space		700	KAF
31-DEc Flood Control Elevation		1558.2	ft

1929-1999 Average	Percent of Average
2683	128%
1980	128%

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	3409	3437						
First-of-Month Elev	1519.9	1518.4	1526.7						
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		344.40	516.6
Headquarters Precip	Nov	6.49	131%	182.72	1185.8
Intercept		1		1734.55	1734.6
1-Dec Forecast (KAF)				∑	3437.0

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		6.49	--						
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)									
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun
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