

# Dworshak : November Runoff Forecast & Flood Control Calculation

WY 2008

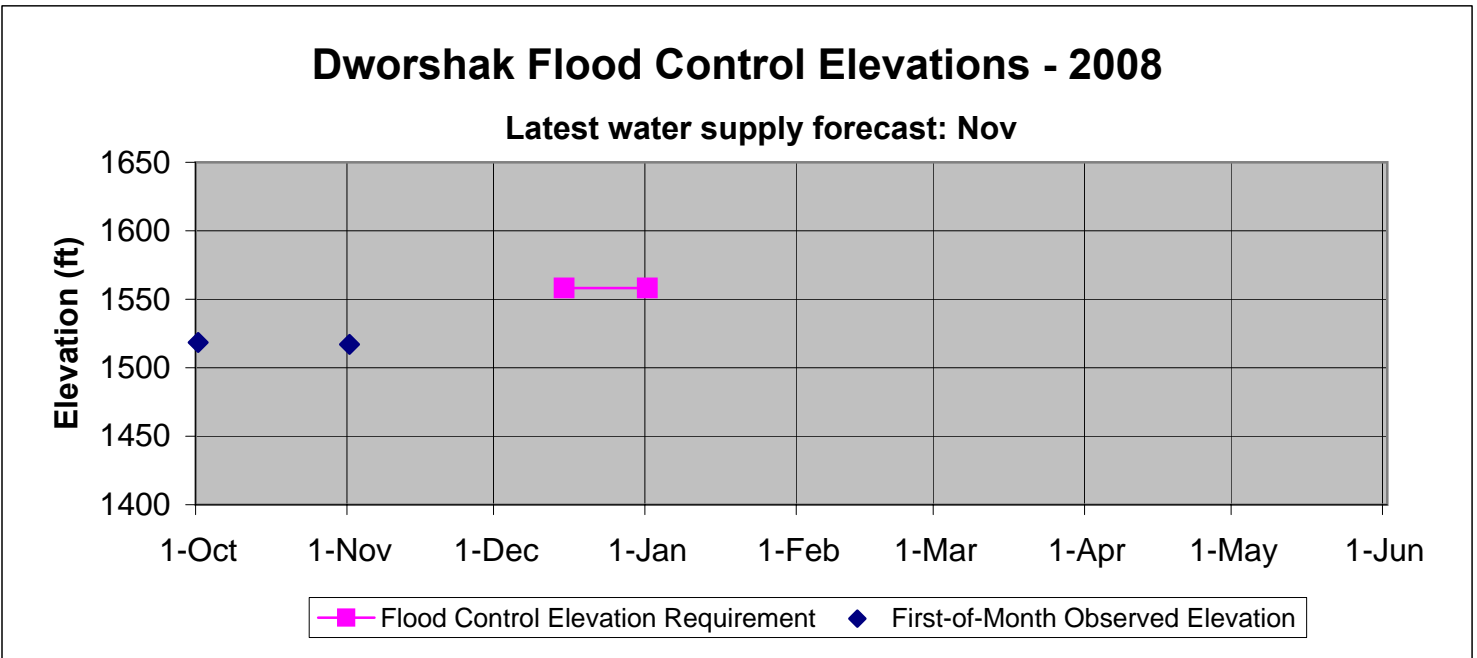
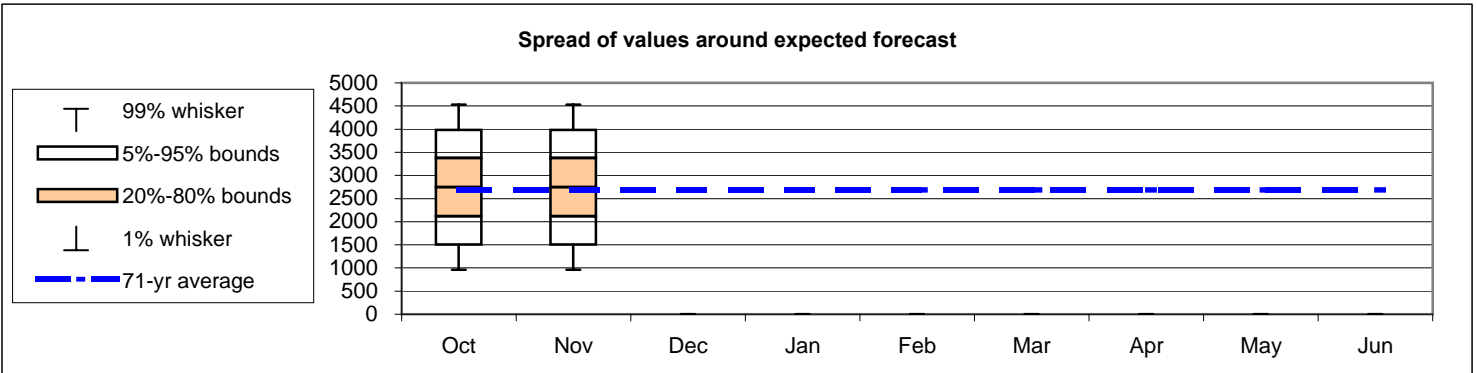
## Runoff Forecast and Flood Control

<b>Most Probable Runoff Volume</b>	<b>Apr-Jul</b>	<b>2744</b>	<b>KAF</b>
	<b>May-Jul</b>	<b>2025</b>	<b>KAF</b>
<b>31-Dec Flood Control Space</b>		<b>700</b>	<b>KAF</b>
<b>31-Dec Flood Control Elevation</b>		<b>1558.2</b>	<b>ft</b>

1929-1999 Average	Percent of Average
2683	102%
1980	102%

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

Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Apr-Jul Runoff Forecast</b>	2744	2744							
<b>First-of-Month Elev</b>	1518.4	1517.1							
<b>Date &gt;&gt;</b>		<b>15-Dec</b>	<b>31-Dec</b>	<b>31-Jan</b>	<b>28-Feb</b>	<b>31-Mar</b>	<b>15-Apr</b>	<b>30-Apr</b>	
<b>Flood Control Space</b>	--	700	700						
<b>Flood Control Elevation</b>	--	1558.2	1558.2						



**Notes:**

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Ken Soderlind (503 808-3950), Patti Low (503 808-3958), or John McCoskery (503 808-3951).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
3. 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	0.20		511.73	102.3
Intercept		1		2641.52	2641.5
1-Nov Forecast (KAF)				$\Sigma$	2743.9

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	0.20								
<b>Precipitation (monthly depth, inches)</b>									
Headquarters, ID		--	--						
<b>Snow Water Equiv (first of month SWE depth, inches)</b>									
Elk Butte, ID				--	--	--	--	--	--
Hemlock Butte, ID				--	--	--	--	--	--
Hoodoo Basin, MT				--	--	--	--	--	--
Pierce RS, ID				--	--	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
<b>Streamflow (monthly volume, KAF)</b>									
				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--