

# Dworshak : November Runoff Forecast & Flood Control Calculation

WY 2009

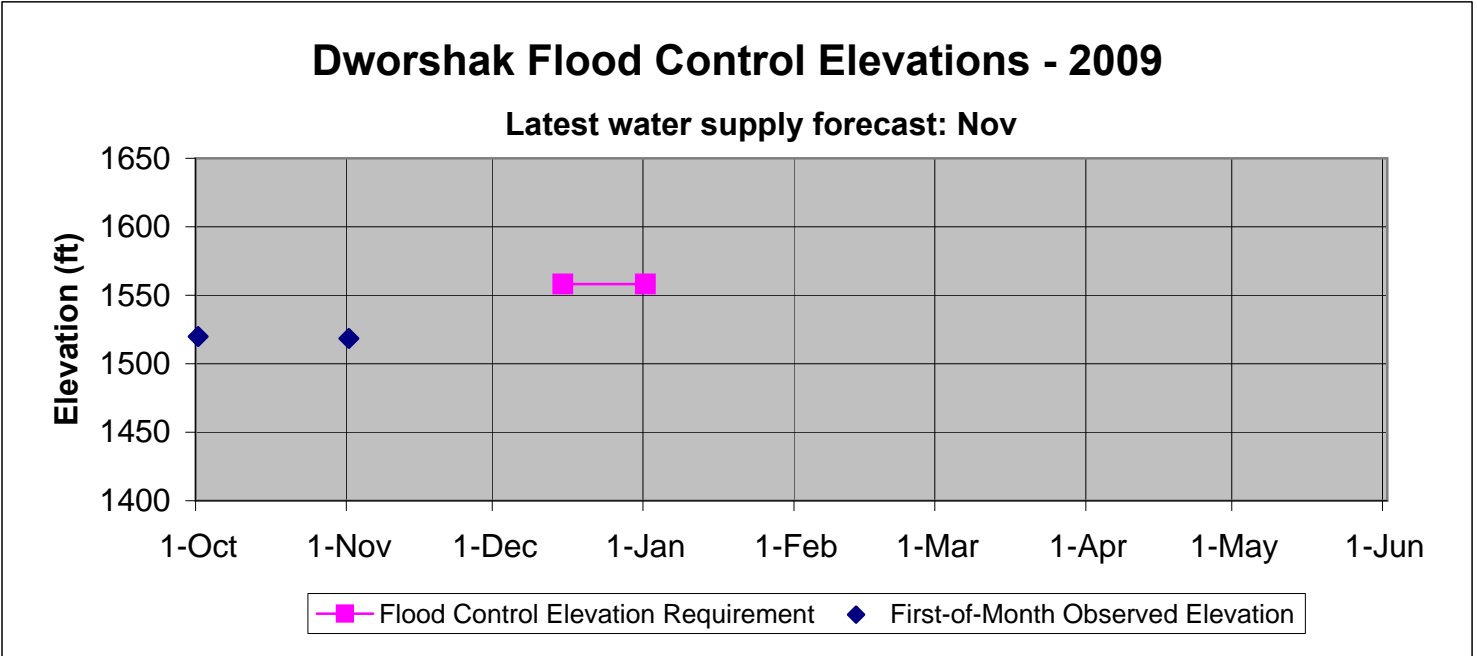
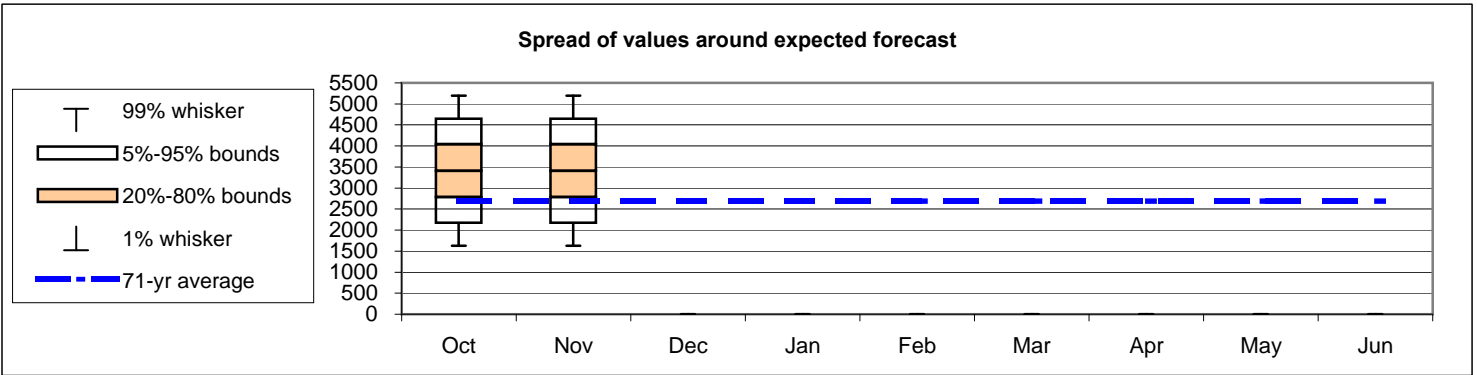
## Runoff Forecast and Flood Control

<b>Most Probable Runoff Volume</b>	<b>Apr-Jul</b>	<b>3409</b>	<b>KAF</b>
	<b>May-Jul</b>	<b>2516</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	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
<b>Apr-Jul Runoff Forecast</b>	3409	3409							
<b>First-of-Month Elev</b>	1519.9	1518.36							
<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 Tracy Schwarz (509 527 7522), or Steve Hall (509 527 7550).
  2. Due to updated values for precipitation, now 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.

# Dworshak : November Runoff Forecast & Flood Control Calculation

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-Nov Forecast (KAF)				$\Sigma$	3409.1

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	1.50								
<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				--	--	--	--	--	--