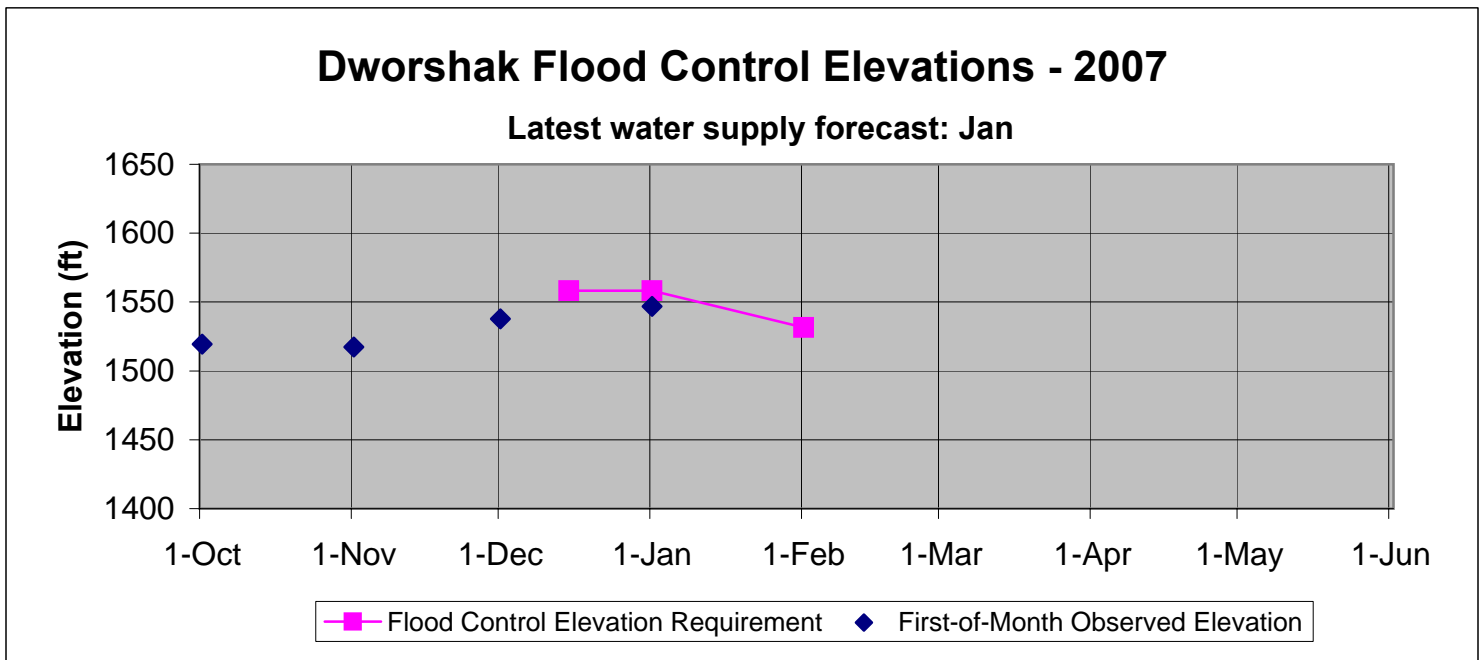
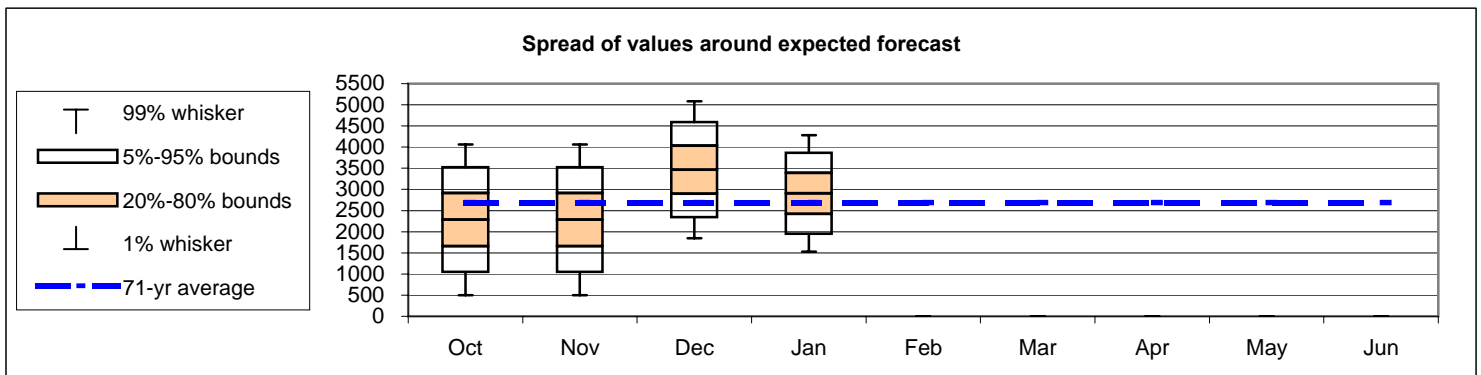


# Dworshak : January Runoff Forecast & Flood Control Calculation

WY 2007

Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average				
			units						
Most Probable Runoff Volume	Apr-Jul	2905	KAF	2683	108%				
	May-Jul	2144	KAF	1980	108%				
31-Jan Flood Control Space		1078	KAF						
31-Jan Flood Control Elevation		1531.4	ft						
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	2283	2283	3465	2905					
First-of-Month Elev	1519.51	1517.31	1537.71	1546.94					
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	1078					
Flood Control Elevation	--	1558.2	1558.2	1531.4					



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 Etzel (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.

# Dworshak : January 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	-0.70		271.68	-190.2
Headquarters Precip	Nov	10.79	218%	99.83	1077.1
Headquarters Precip	Dec	4.36	85%	45.83	199.8
Elk Butte SWE	1-Jan	14.4	86%	9.77	140.7
Hemlock Butte SWE	1-Jan	19.0	96%	12.05	228.9
Hoodoo Basin SWE	1-Jan	18.2	95%	13.61	247.7
Pierce SWE	1-Jan	3.0	70%	35.14	105.4
Intercept		1		1095.65	1095.6
1-Jan Forecast (KAF)				$\Sigma$	2905.1

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	-0.70								
<b>Precipitation (monthly depth, inches)</b>									
Headquarters, ID		10.79	4.36						
<b>Snow Water Equiv (first of month SWE depth, inches)</b>									
Elk Butte, ID				14.4	--	--	--	--	--
Hemlock Butte, ID				19.0	--	--	--	--	--
Hoodoo Basin, MT				18.2	--	--	--	--	--
Pierce RS, ID				3.0	--	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
<b>Streamflow (monthly volume, KAF)</b>				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--