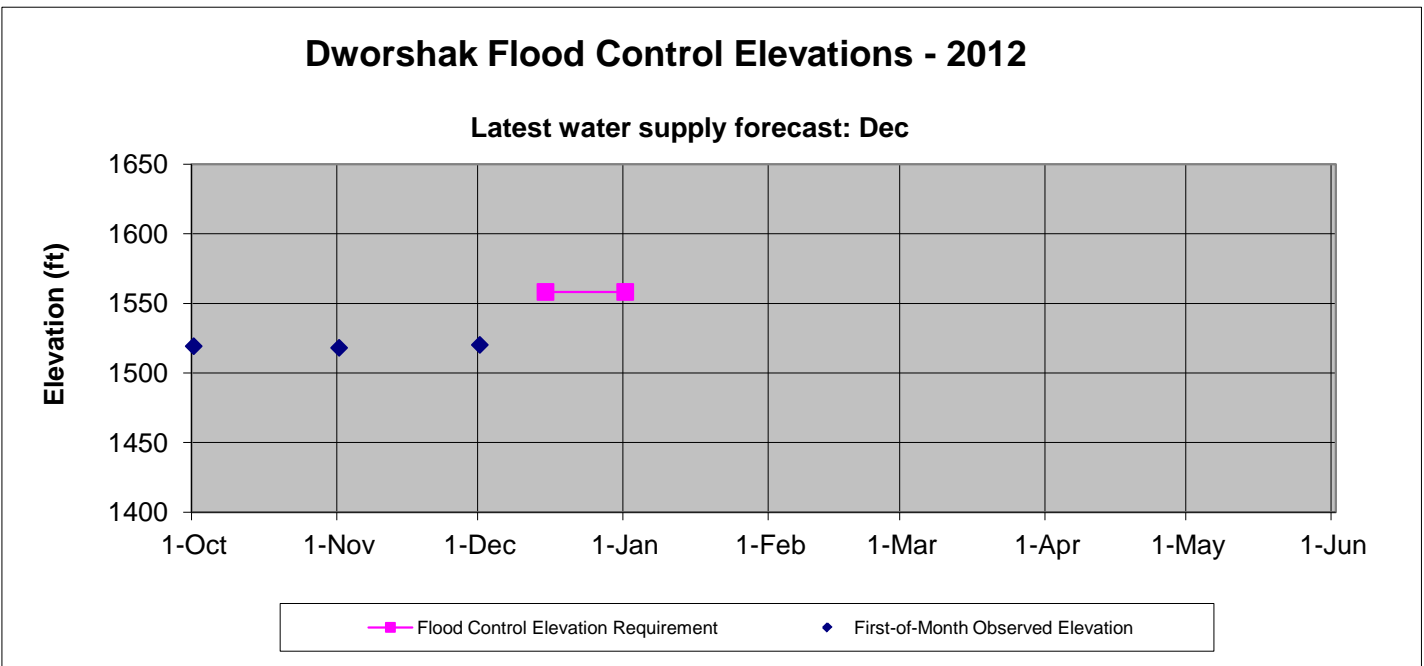
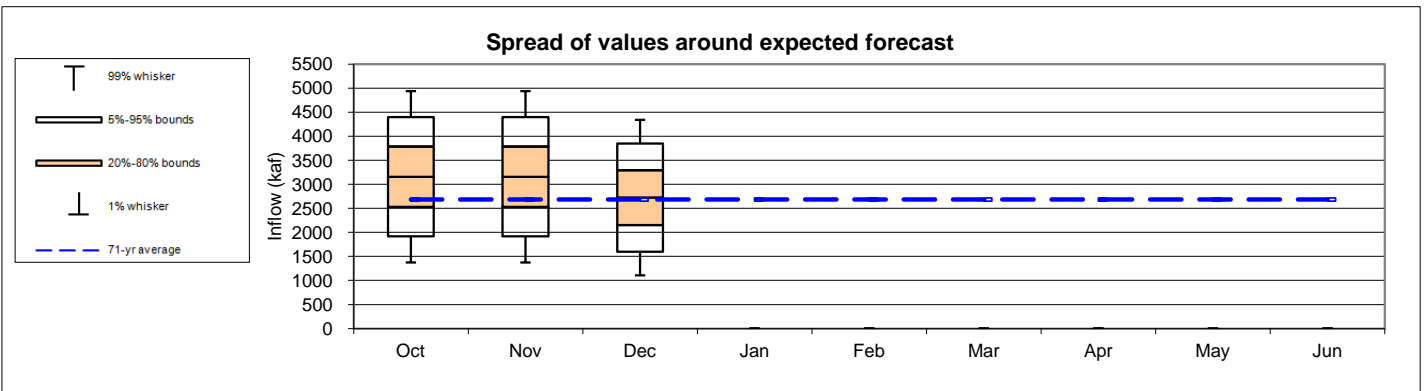


Dworshak : December Runoff Forecast & Flood Control Calculation

WY 2012

Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average				
Most Probable Runoff Volume	Apr-Jul	2724	KAF	2683	102%				
	May-Jul	2011	KAF	1980	102%				
31-Dec Flood Control Space		700	KAF						
31-Dec Flood Control Elevation		1558.2	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	3157	3157	2724						
First-of-Month Elev	1519.2	1518.1	1520.2						
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:

1. Headquarters Precipitation was obtained through the MesoWest website created by the Univ of Utah. (<http://mesowest.utah.edu/index.html>)
2. The regression coefficients have been updated to reflect observed data through September 2011 and updated SOI values from NOAA.
3. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Jeremy Giovando (509 527 7053), or Steve Hall (509 527 7550).
4. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
5. 15-Dec and 31-Dec flood control space is fixed at 700 KAF.

Dworshak : December 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	1.00		367.73	367.7
Headquarters Precip	Nov	3.50	71%	164.92	577.2
Intercept		1		1779.43	1779.4
1-Dec Forecast (KAF)				Σ	2724.4

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	1.00								
Precipitation (monthly depth, inches)									
Headquarters, ID		3.50	--						
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
				--	--	--	--	--	--