Dworshak : December Runoff Forecast & Flood Control Calculation WY 2007

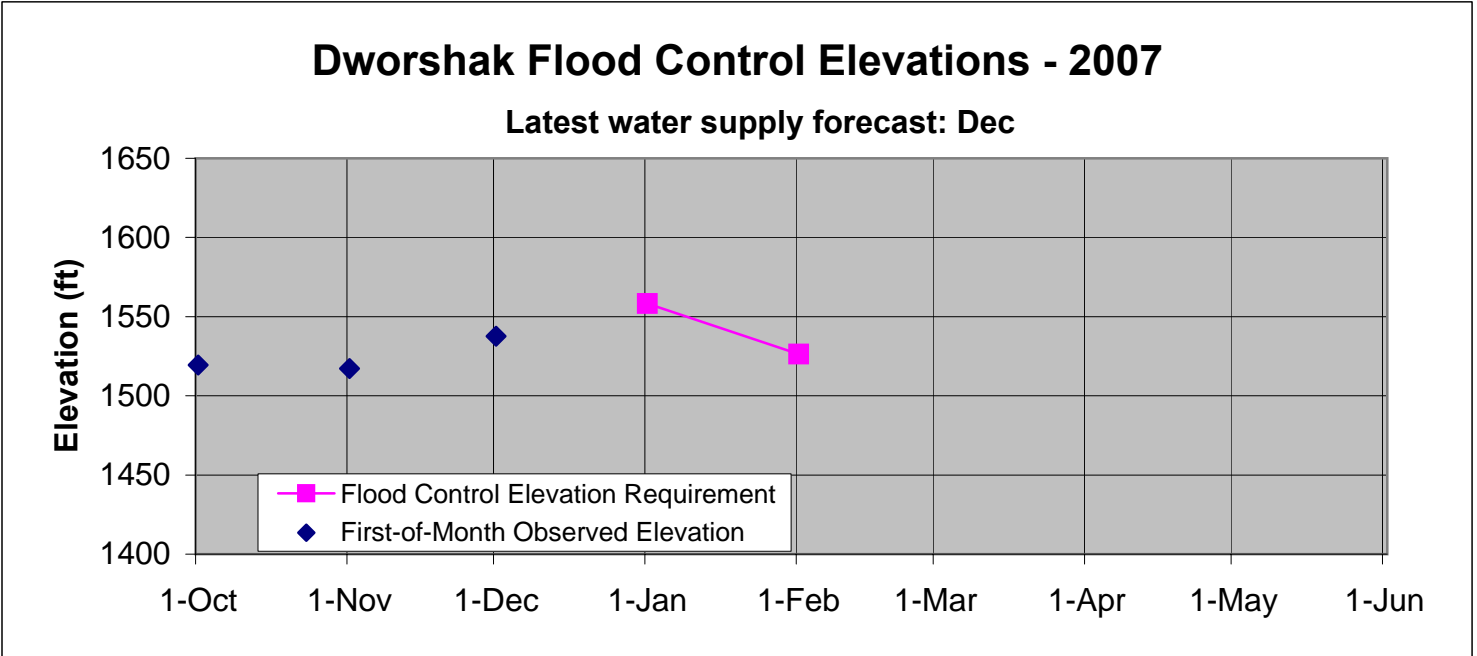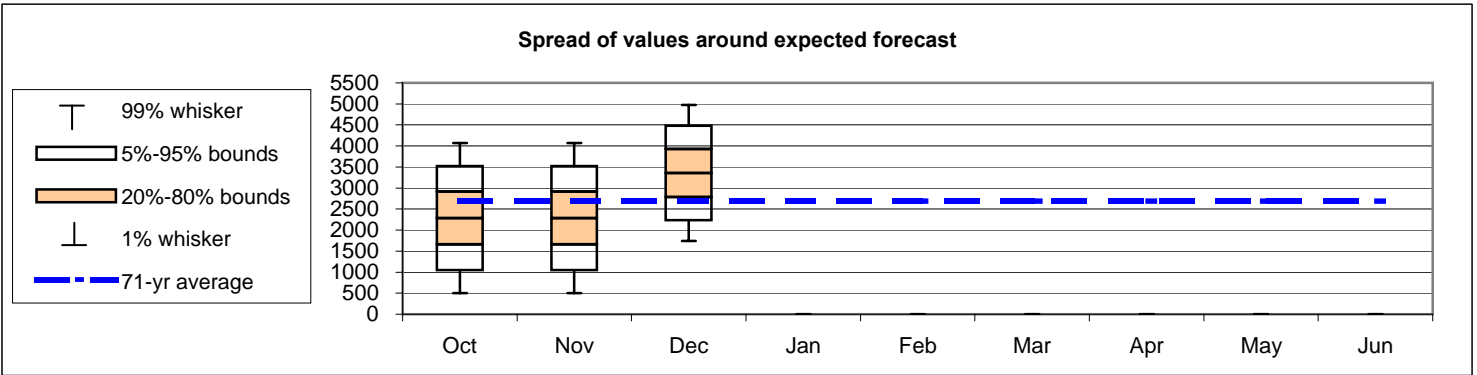| Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	3357	KAF	2683	125%
	May-Jul	2478	KAF	1980	125%
31-Jan Flood Control Space		1148	KAF		
31-Jan Flood Control Elevation		1526.2	ft		

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	2283	2283	3357						
First-of-Month Elev	1519.51	1517.31	1537.71						

Date >>			31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr
Flood Control Space	--	--	700	1148				
Flood Control Elevation	--	--	1558.2	1526.2				

Spread of values around expected forecast

Legend: 99% whisker; 5%-95% bounds; 20%-80% bounds; 1% whisker; 71-yr average

Dworshak Flood Control Elevations - 2007

Latest water supply forecast: Dec

Legend: Flood Control Elevation Requirement; First-of-Month Observed Elevation

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.

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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	-0.70		344.40	-241.1
Headquarters Precip	Nov	10.20	207%	182.72	1863.7
Intercept		1		1734.55	1734.6
	1-Dec Forecast (KAF)			$\sum$	3357.2

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-0.70								
Precipitation (monthly depth, inches)									
Headquarters, ID		10.20	--						
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)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--