

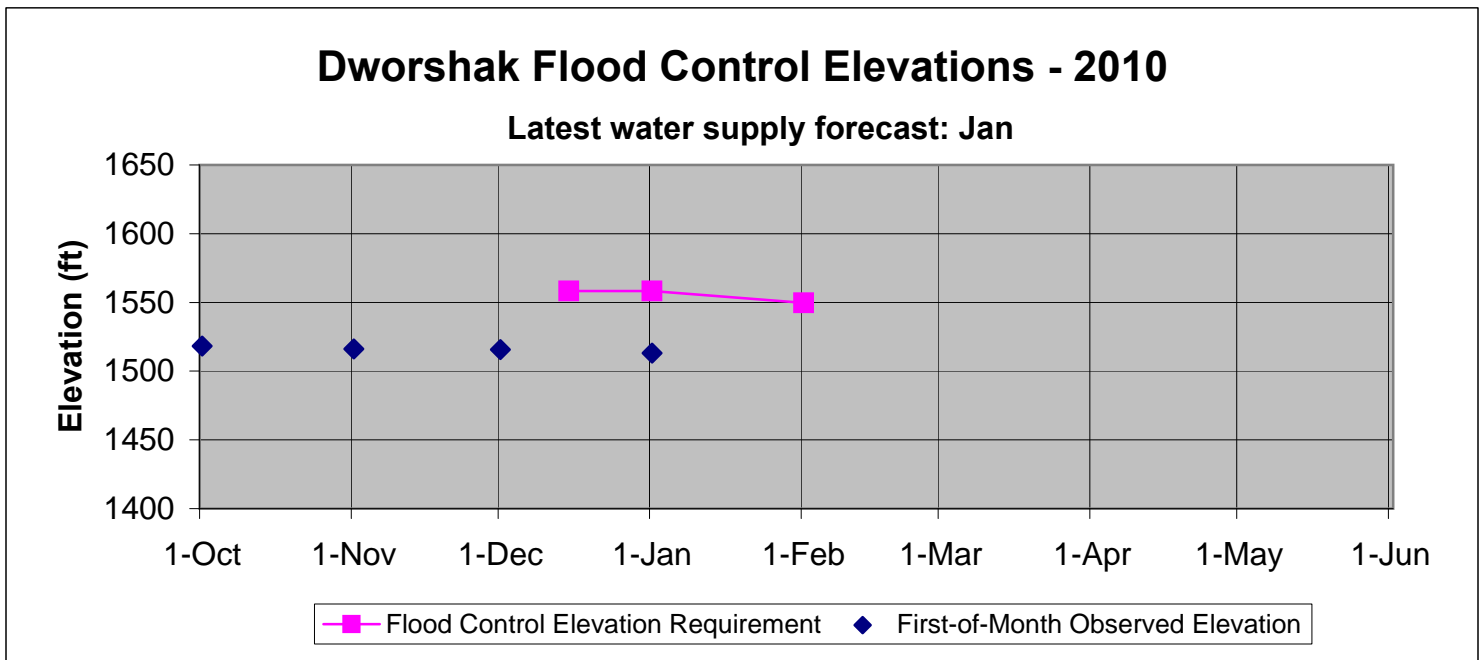
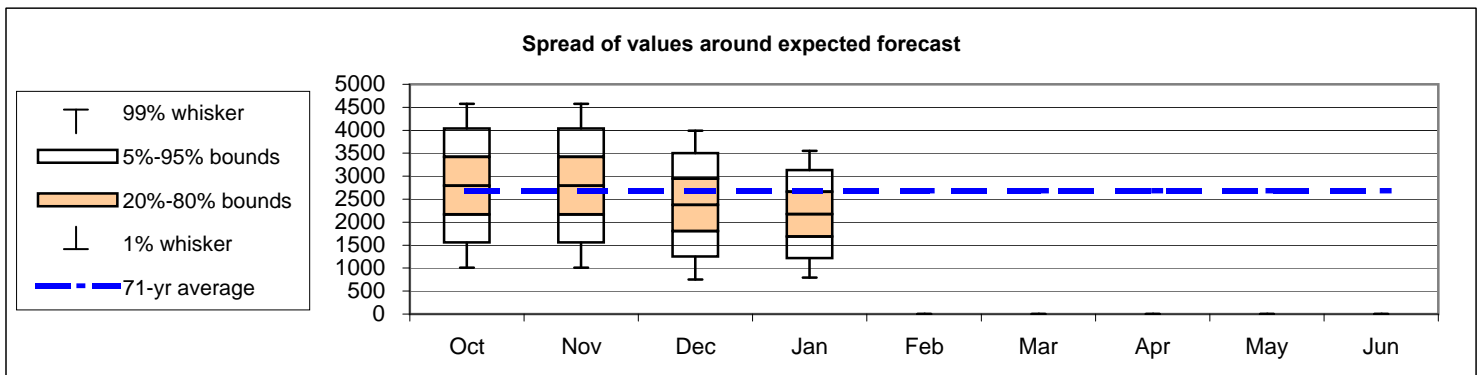
Dworshak : January Runoff Forecast & Flood Control Calculation

WY 2010

Runoff Forecast and Flood Control			units
Most Probable Runoff Volume	Apr-Jul	2174	KAF
	May-Jul	1604	KAF
31-Jan Flood Control Space		825	KAF
31-Jan Flood Control Elevation		1549.6	ft

1929-1999 Average	Percent of Average
2683	81%
1980	81%

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	2795	2795	2373	2174					
First-of-Month Elev	1518.2	1516.2	1515.6	1513.0					
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	825					
Flood Control Elevation	--	1558.2	1558.2	1549.6					



Notes:

- 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).
- Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
- 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	0.30		271.68	81.5
Headquarters Precip	Nov	2.93	59%	99.83	292.5
Headquarters Precip	Dec	3.69	72%	45.83	169.1
Elk Butte SWE	1-Jan	10.3	62%	9.77	100.6
Hemlock Butte SWE	1-Jan	15.4	78%	12.05	185.5
Hoodoo Basin SWE	1-Jan	10.8	57%	13.61	147.0
Pierce SWE	1-Jan	2.9	68%	35.14	101.9
Intercept		1		1095.65	1095.6
1-Jan Forecast (KAF)				Σ	2173.8

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.30								
Precipitation (monthly depth, inches)									
Headquarters, ID		2.93	3.69						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				10.3	--	--	--	--	--
Hemlock Butte, ID				15.4	--	--	--	--	--
Hoodoo Basin, MT				10.8	--	--	--	--	--
Pierce RS, ID				2.9	--	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
Streamflow (monthly volume, KAF)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--