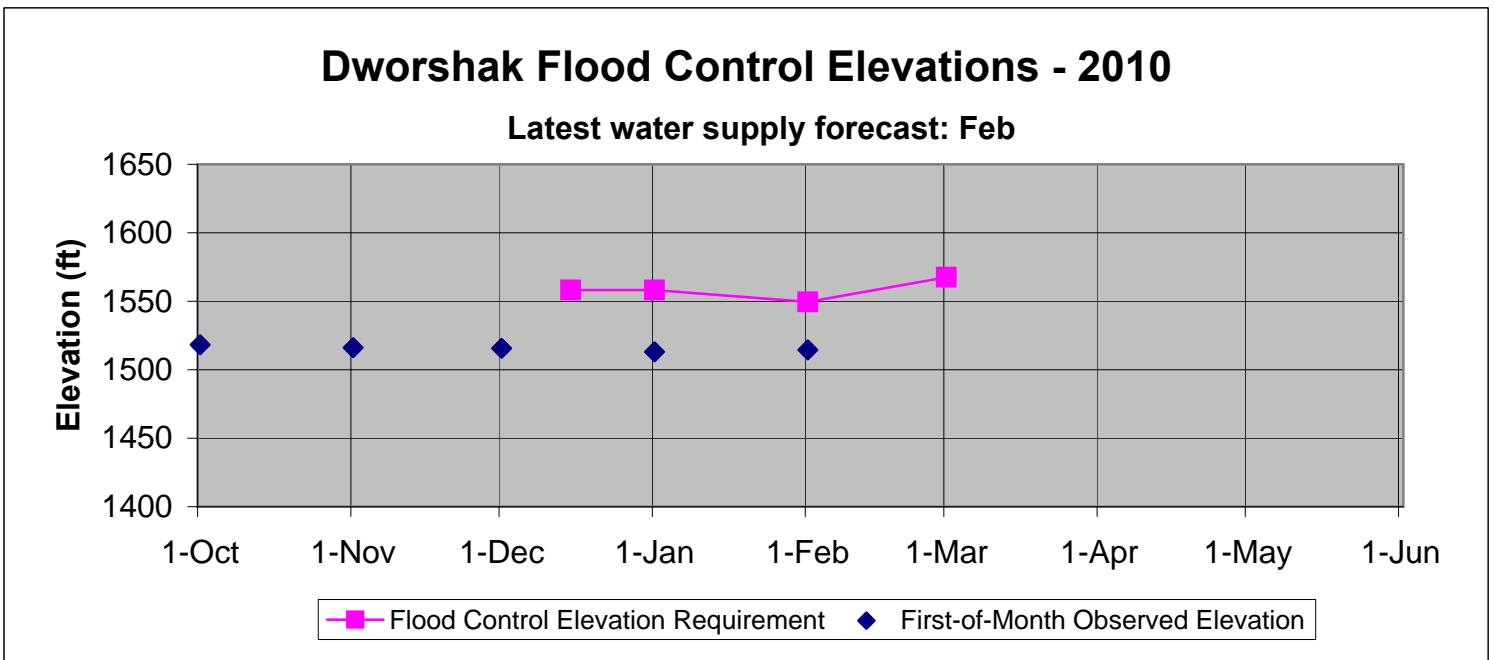
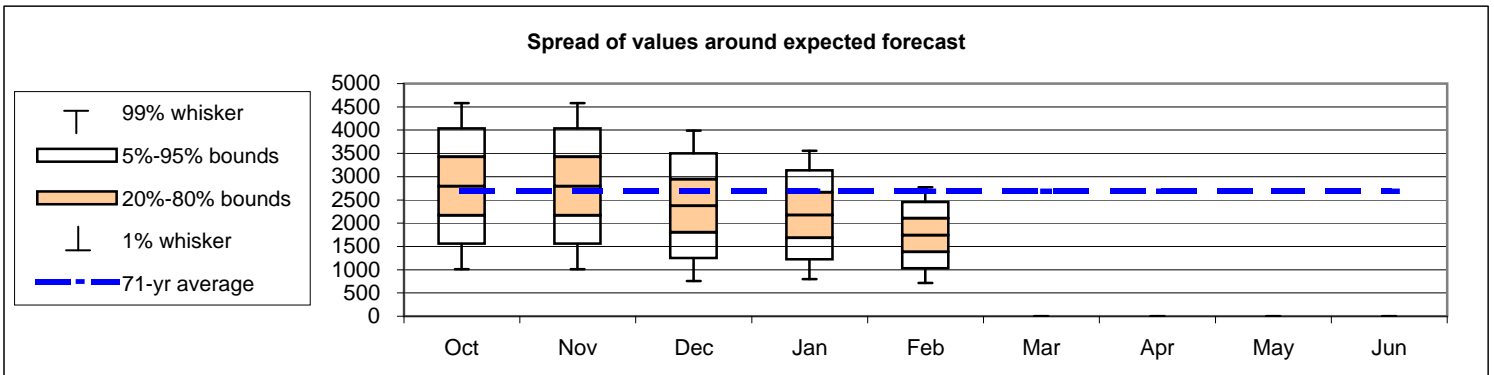


# Dworshak : February Runoff Forecast & Flood Control Calculation

WY 2010

Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average				
Most Probable Runoff Volume	Apr-Jul	1742	KAF	2683	65%				
	May-Jul	1286	KAF	1980	65%				
28/29 Feb Flood Control Space		560	KAF						
28/29 Feb Flood Control Elevation		1567.5	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	2795	2795	2373	2174	1742				
First-of-Month Elev	1518.2	1516.2	1515.6	1513.0	1514.5				
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	825	560				
Flood Control Elevation	--	1558.2	1558.2	1549.6	1567.5				



Notes:

1. 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).
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 : February 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	0.30		108.05	32.4
Elk Butte SWE	1-Feb	15.20	56%	19.57	297.4
Hemlock Butte SWE	1-Feb	21.00	65%	17.27	362.7
Hoodoo Basin SWE	1-Feb	15.20	50%	19.13	290.8
Pierce SWE	1-Feb	5.00	64%	48.51	242.6
DWR January Inflow	Jan	115.25	57%	0.895	103.1
Intercept		1		413.05	413.1
1-Feb Forecast (KAF)				$\Sigma$	1742.1

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	0.30								
<b>Precipitation (monthly depth, inches)</b>									
Headquarters, ID		2.93	3.69						
<b>Snow Water Equiv (first of month SWE depth, inches)</b>									
Elk Butte, ID				10.3	15.2	--	--	--	--
Hemlock Butte, ID				15.4	21.0	--	--	--	--
Hoodoo Basin, MT				10.8	15.2	--	--	--	--
Pierce RS, ID				2.9	5.0	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
<b>Streamflow (monthly volume, KAF)</b>				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				115	--	--	--	--	--