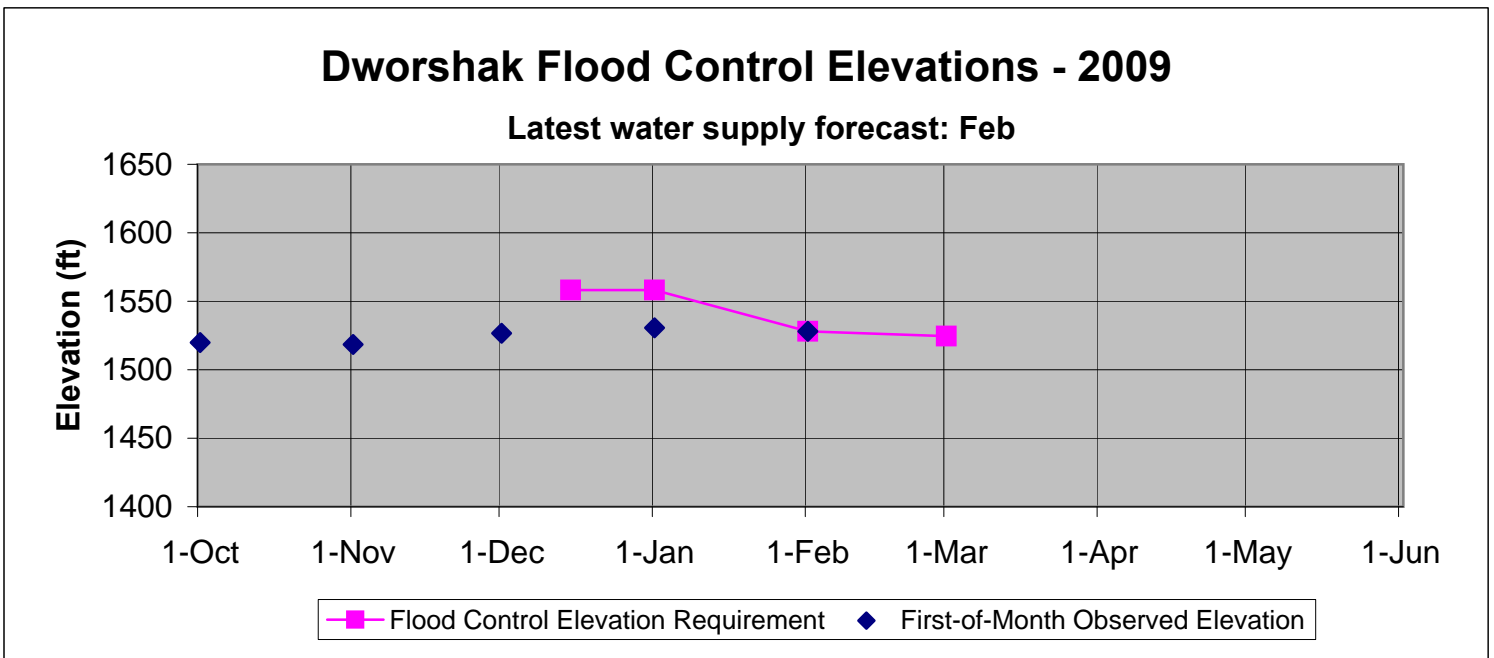
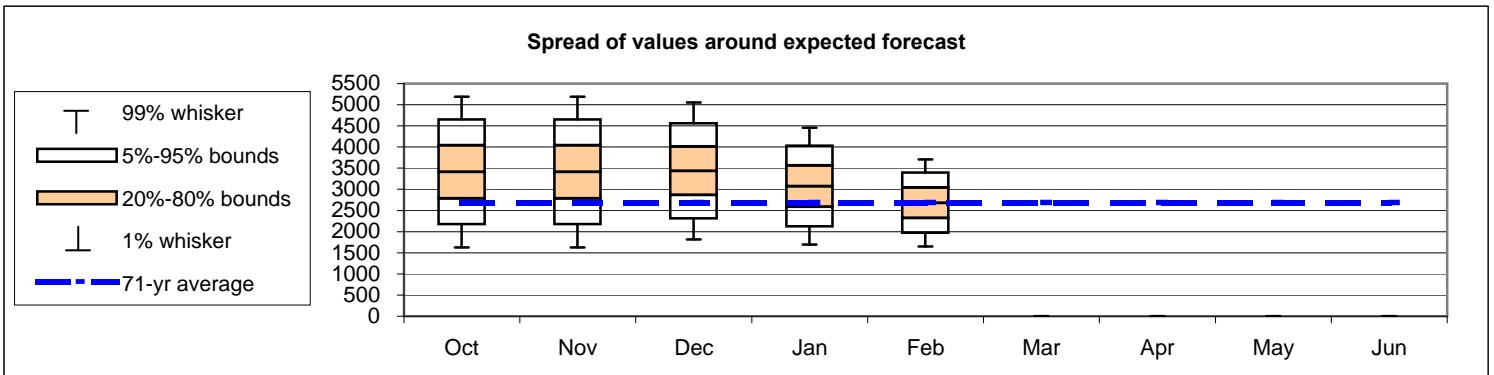


Dworshak : February Runoff Forecast & Flood Control Calculation

WY 2009

Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average				
Most Probable Runoff Volume	Apr-Jul	2681	KAF	2683	100%				
	May-Jul	1978	KAF	1980	100%				
28/29 Feb Flood Control Space		1170	KAF						
28/29 Feb Flood Control Elevation		1524.5	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	3409	3409	3437	3075	2681				
First-of-Month Elev	1519.9	1518.4	1526.7	1530.6	1528.0				
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	1124	1170				
Flood Control Elevation	--	1558.2	1558.2	1528.0	1524.5				



Notes:

- The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Tracy Schwarz (509 527 7522), 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.

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	1.50		108.05	162.1
Elk Butte SWE	1-Feb	20.00	74%	19.57	391.4
Hemlock Butte SWE	1-Feb	29.50	92%	17.27	509.5
Hoodoo Basin SWE	1-Feb	23.90	79%	19.13	457.3
Pierce SWE	1-Feb	10.10	130%	48.51	490.0
DWR January Inflow	Jan	287.60	141%	0.895	257.4
Intercept		1		413.05	413.1
1-Feb Forecast (KAF)				Σ	2680.6

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	1.50								
Precipitation (monthly depth, inches)									
Headquarters, ID		6.49	4.52						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				12.5	20.0	--	--	--	--
Hemlock Butte, ID				16.9	29.5	--	--	--	--
Hoodoo Basin, MT				13.0	23.9	--	--	--	--
Pierce RS, ID				6.1	10.1	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
Streamflow (monthly volume, KAF)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				288	--	--	--	--	--