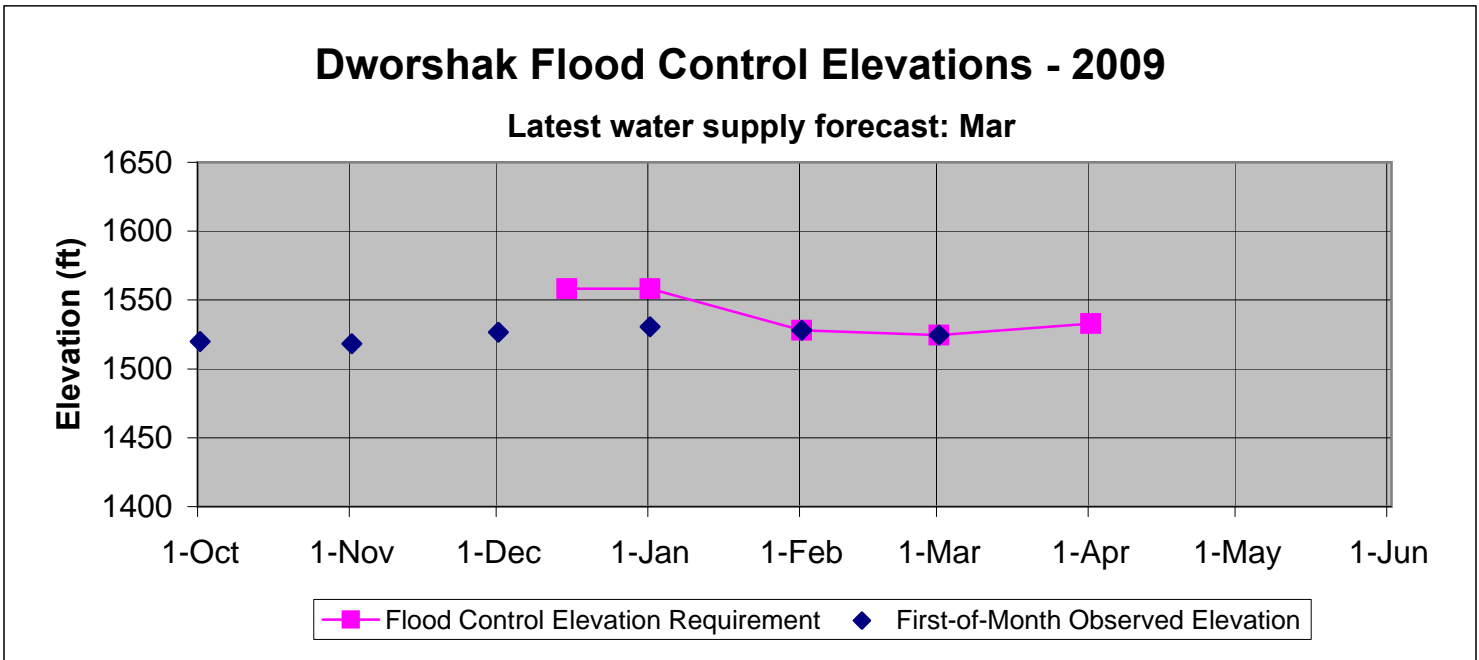
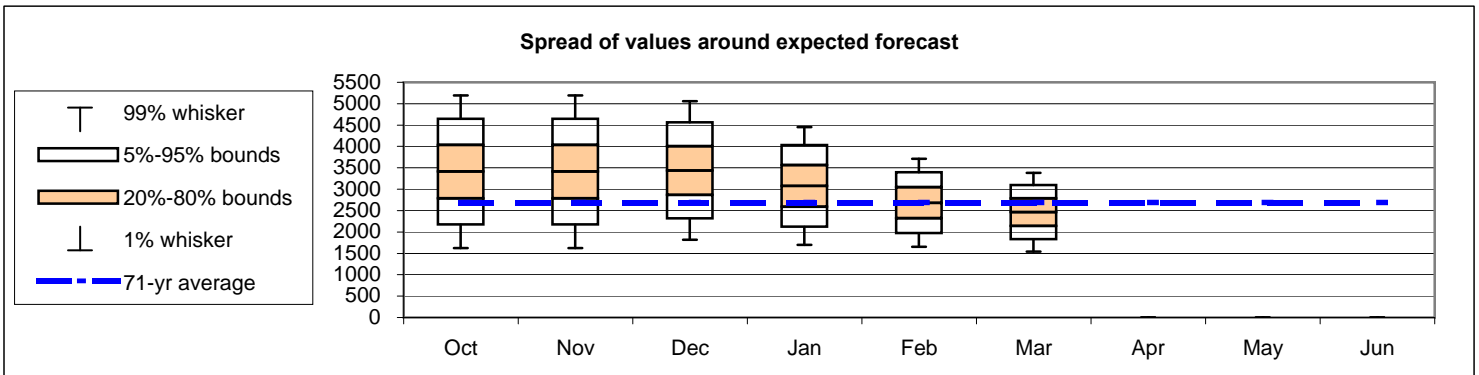


Dworshak : March Runoff Forecast & Flood Control Calculation

WY 2009

Runoff Forecast and Flood Control				1929-1999 Average	Percent of Average				
Most Probable Runoff Volume	Apr-Jul	2461	KAF	2683	92%				
	May-Jul	1816	KAF	1980	92%				
31-Mar Flood Control Space		1057	KAF						
31-Mar Flood Control Elevation		1532.9	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	2461			
First-of-Month Elev	1519.9	1518.4	1526.7	1530.6	1528.0	1524.4			
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	1124	1170	1057			
Flood Control Elevation	--	1558.2	1558.2	1528.0	1524.5	1532.9			



- Notes:
1. 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).
 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 : March 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		116.52	174.8
Elk Butte SWE	1-Mar	23.90	69%	14.89	356.0
Hemlock Butte SWE	1-Mar	33.70	83%	15.61	526.0
Hoodoo Basin SWE	1-Mar	29.00	76%	15.63	453.3
Pierce SWE	1-Mar	9.50	100%	38.10	361.9
DWR January Inflow	Jan	287.60	141%	0.977	281.0
DWR February Inflow	Feb	161.26	59%	0.147	23.7
Intercept		1		284.62	284.6
1-Mar Forecast (KAF)				Σ	2461.3

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	23.9	--	--	--
Hemlock Butte, ID				16.9	29.5	33.7	--	--	--
Hoodoo Basin, MT				13.0	23.9	29.0	--	--	--
Pierce RS, ID				6.1	10.1	9.5			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
Streamflow (monthly volume, KAF)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				288	161	--	--	--	--