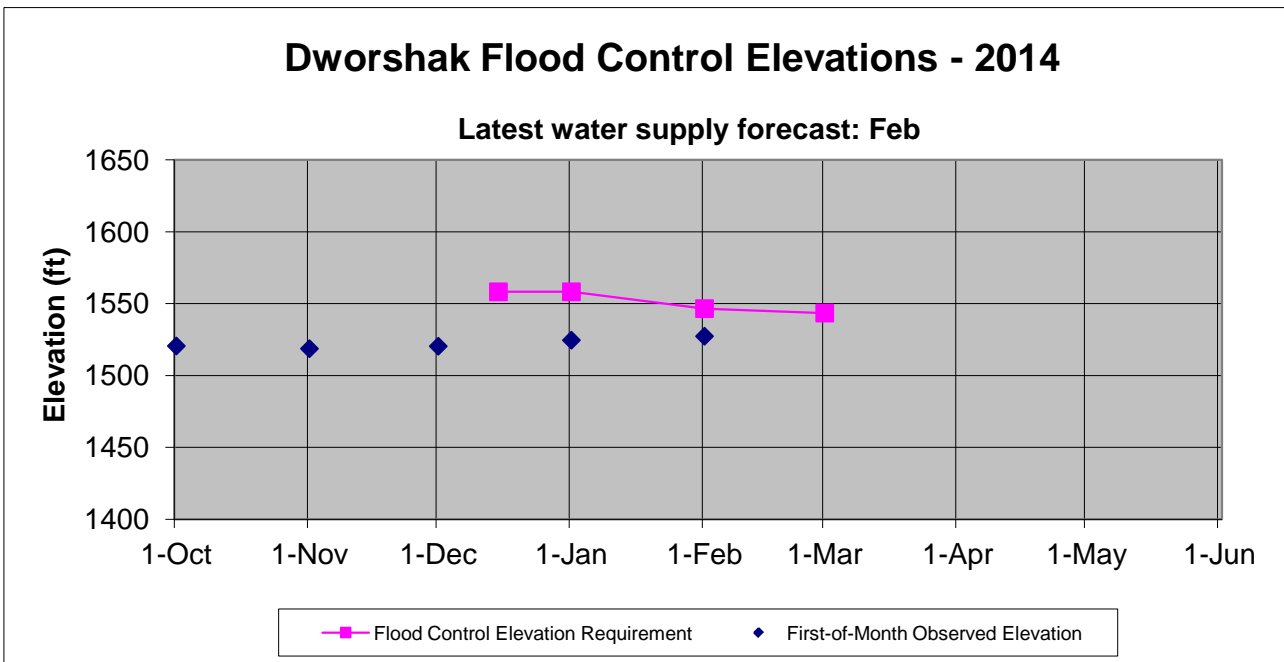
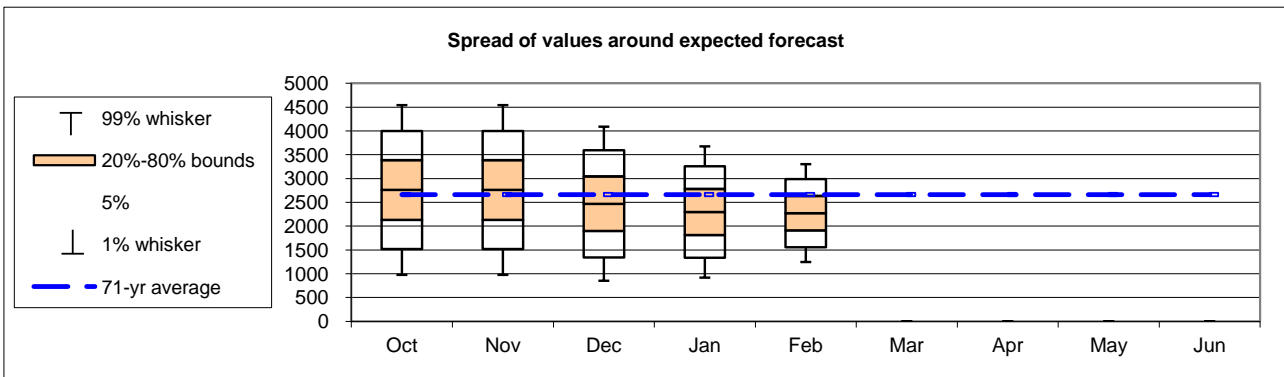


Dworshak : February Runoff Forecast & Flood Control Calculation WY 2014

Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-2010 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2274	KAF	2438	93%	2663	85%		
	May-Jul	1667	KAF	1784	93%	1953	85%		
28/29 Feb Flood Control Space		912	KAF						
28/29 Feb Flood Control Elevation		1543.5	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
pr-Jul Runoff Forecast	2758	2758	2470	2296	2274				
First-of-Month Elev	1520.6	1518.7	1520.4	1524.6	1527.3				
Date >>	15-Dec		31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700		700	869	912			
Flood Control Elevation	--	1558.2		1558.2	1546.5	1543.5			



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		264.27	79.3
HQSI Cumulative Precip	Oct-Date	14.50	82%	27.04	392.1
Elk Butte SWE	1-Jan	21.4	81%	12.06	258.1
Cool Creek SWE	1-Jan	28.6	86%	11.35	324.6
Hoodoo Basin SWE	1-Jan	22.2	74%	10.97	243.5
Sherwin SWE	1-Jan	6.0	71%	29.17	175.0
Lost Lake SWE	1-Jan	30.0	74%	7.60	228.0
Intercept		1		572.93	572.9
1-Feb Forecast (KAF)				Σ	2273.5

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	1-Jul
Climate (Stdzd SOI)										
September SOI	0.30									
Precipitation (in)										
Headquarters, ID	0.40	4.20	4.90	5.00	--	--	--			
Cumulative HQSI Data	0.40	4.60	9.50	14.50	--	--	--			
Snow Water Equiv (First of Month values) (in)										
Elk Butte, ID				12.8	21.4	--	--			
Cool Creek, ID				16.6	28.6					
Hoodoo Basin, MT				13.3	22.2	--	--	--	--	
Sherwin, ID				2.7	6.0	--	--			
Shanghi Summit, ID								--	--	
Lost Lake, ID				19.8	30.0	--	--	--	--	
Hemlock, ID								--	--	
Crater Meadows Mar						--	--			
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun	Jul
Dworshak Inflow				132	--	--	--	--	--	--

Approval:

John J. Heitstuman P.E.
 Chief Hydrology Section
 Walla Walla District USACE

Peter Brooks, P.E., D. WRE
 Ch., Hydrologic Engineering and Power Branch
 Columbia Basin Water Management Division