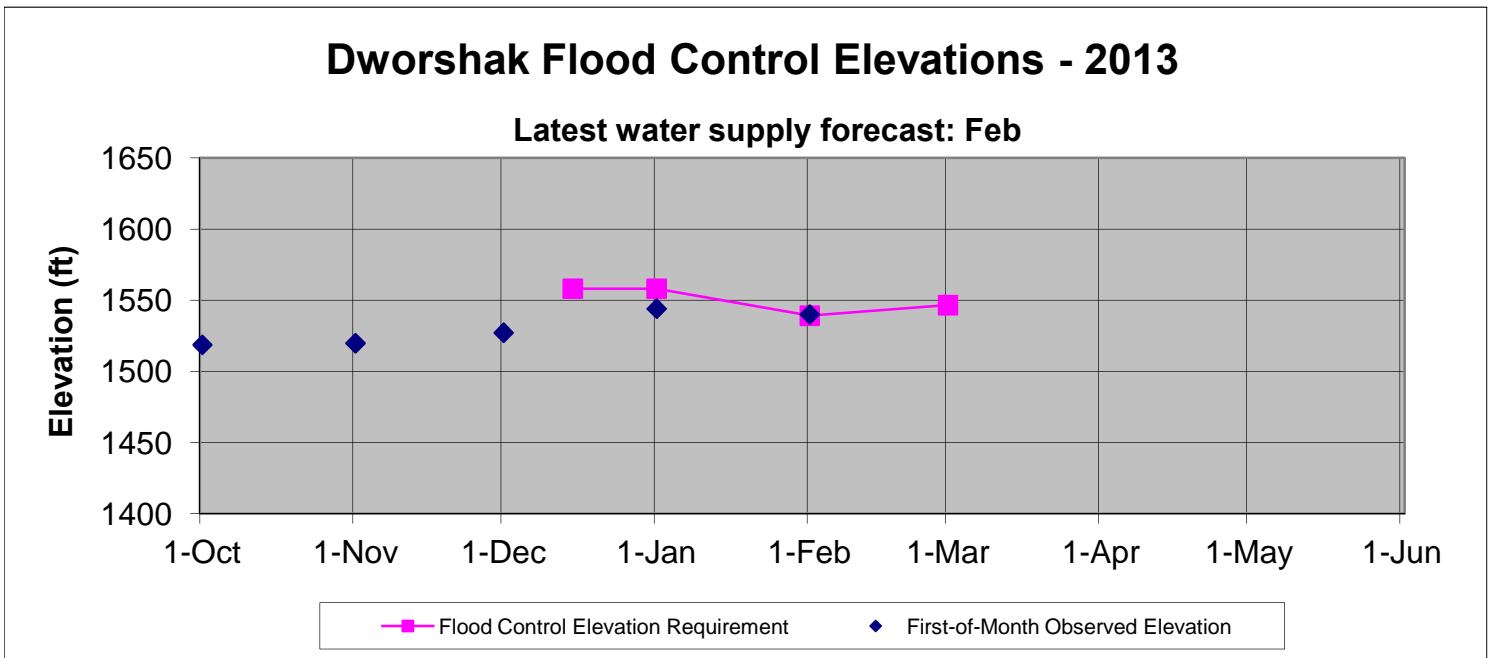
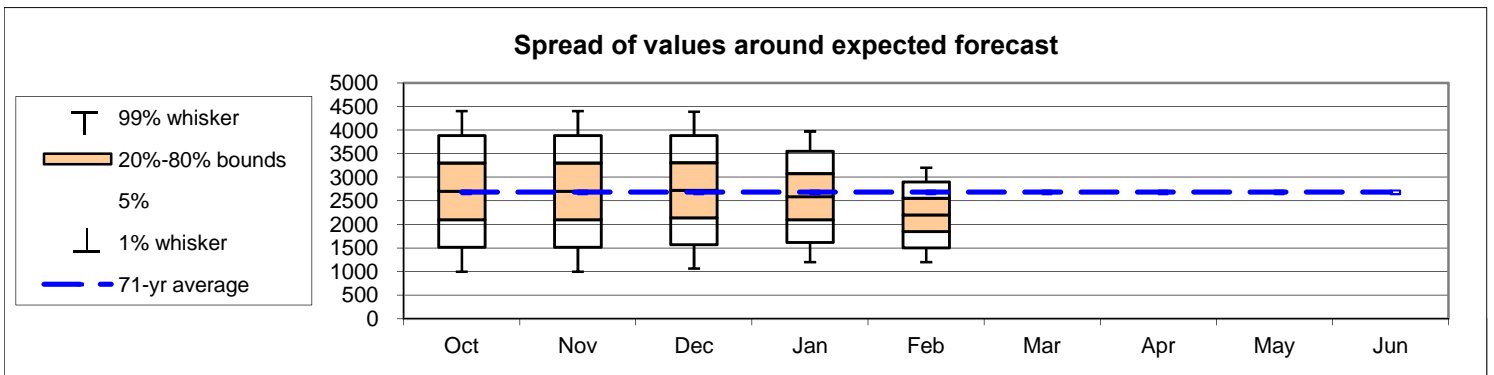


Dworshak : February Runoff Forecast & Flood Control Calculation

WY 2013

Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-1999 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2202	KAF	2438	90%	2683	82%		
	May-Jul	1625	KAF	1784	91%	1980	82%		
28/29 Feb Flood Control Space		867	KAF						
28/29 Feb Flood Control Elevation		1546.7	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	2701	2701	2727	2587	2202				
First-of-Month Elev	1518.8	1519.9	1527.3	1544.2	1540.2				
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	970	867				
Flood Control Elevation	--	1558.2	1558.2	1539.2	1546.7				



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	0.20		116.44	23.3
Elk Butte SWE	1-Feb	21.00	78%	21.02	441.4
Hemlock Butte SWE	1-Feb	25.60	80%	18.15	464.6
Hoodoo Basin SWE	1-Feb	23.80	79%	19.24	457.9
Pierce SWE	1-Feb	5.60	72%	50.18	281.0
DWR January Inflow	Jan	158.08	78%	0.790	124.9
Intercept		1		409.32	409.3
1-Feb Forecast (KAF)				Σ	2202.5

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.20								
Precipitation (monthly depth, inches)									
Headquarters, ID		5.30	6.30						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				12.6	21.0	21.0	21.0	21.0	21.0
Hemlock Butte, ID				15.1	25.6	25.6	25.6	25.6	25.6
Hoodoo Basin, MT				17.2	23.8	23.8	23.8	23.8	23.8
Pierce RS, ID				1.9	5.6	5.6			
Shanghi Summit, ID							10.0	10.0	
Lost Lake, ID								20.0	20.0
Streamflow (monthly volume, KAF)									
Dworshak Inflow				Jan 158	Feb 158	Mar 158	Apr 158	May 158	Jun --

Approval:

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