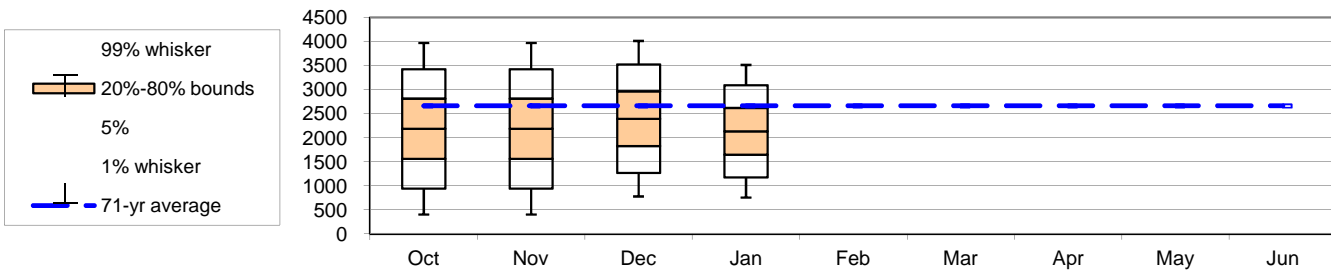


Dworshak : January Runoff Forecast & Flood Control Calculation

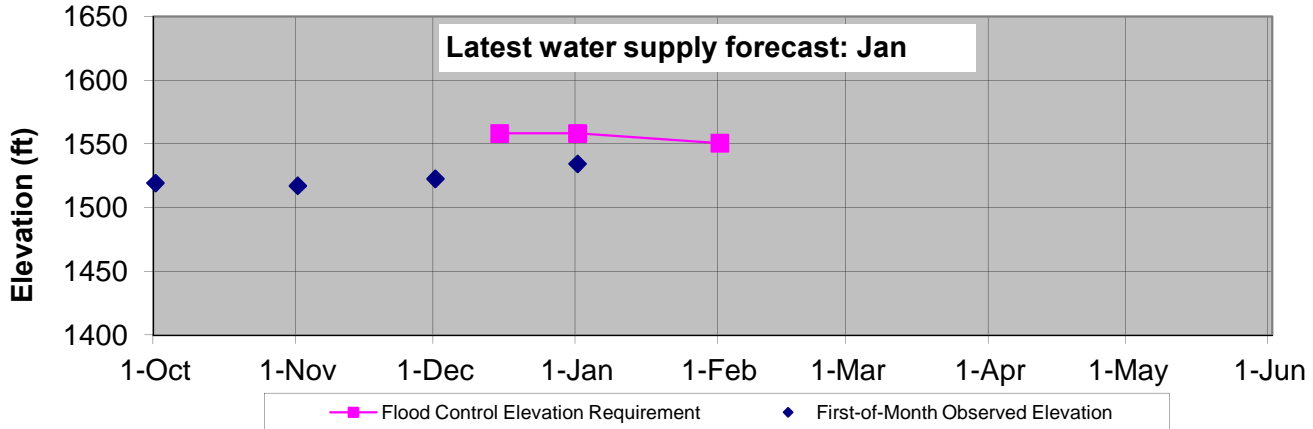
WY 2015

Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-2010 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2136	KAF	2438	88%	2663	80%		
	May-Jul	1514	KAF	1784	85%	1953	78%		
31-Jan Flood Control Space		811	KAF						
31-Jan Flood Control Elevation		1550.6	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	2189	2189	2398	2136					
First-of-Month Elev	1519.4	1517.2	1522.7	1534.4					
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	811					
Flood Control Elevation	--	1558.2	1558.2	1550.6					

Spread of values around expected forecast



Dworshak Flood Control Elevations - 2015



Notes:

- 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).
- 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 : January 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	-0.70		355.71	-249.0
HQSI Cumulative Precip	Oct-Date	15.20	119%	48.12	731.4
Elk Butte SWE	1-Jan	10.50	62%	6.25	65.6
Cool Creek SWE	1-Jan	16.7	77%	9.96	166.3
Hoodoo Basin SWE	1-Jan	14.0	73%	12.22	171.1
Sherwin SWE	1-Jan	1.4	27%	44.69	62.6
Lost Lake SWE	1-Jan	16.1	59%	4.24	68.3
Intercept		1		1119.86	1119.9
1-Jan Forecast (KAF)				∑	2136.2

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	1-Jul
Climate (Stdzd SOI)										
September SOI	-0.70									
Precipitation (in)										
Oct										
Headquarters, ID	2.60	7.10	5.50	--	--	--	--			
Cumulative HQSI Data	2.60	9.70	15.20	--	--	--	--			
Snow Water Equiv (First of Month values) (in)										
Elk Butte, ID				10.5	--	--	--			
Cool Creek, ID				16.7	--					
Hoodoo Basin, MT				14.0	--	--	--	--	--	
Sherwin, ID				1.4	--	--	--			
Shanghi Summit, ID								--	--	
Lost Lake, ID				16.1	--	--	--	--	--	
Hemlock, ID								--	--	
Crater Meadows Mar						--	--			
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun	Jul
Dworshak Inflow				--	--	--	--	--	--	--

Approval:

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