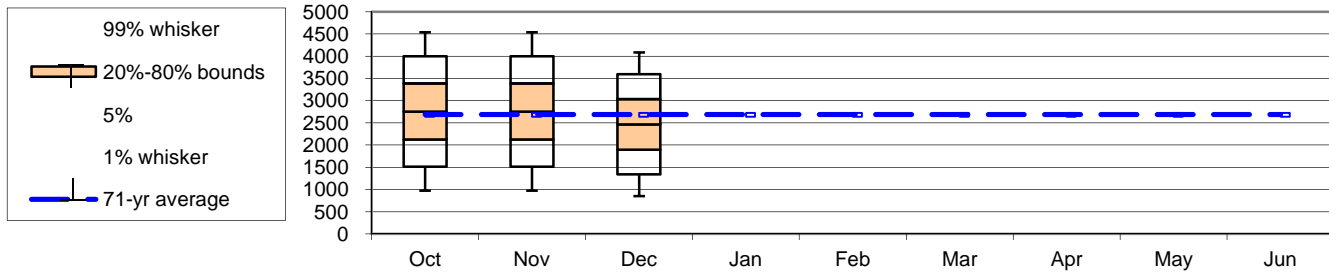


Dworshak : December Runoff Forecast & Flood Control Calculation WY 2014

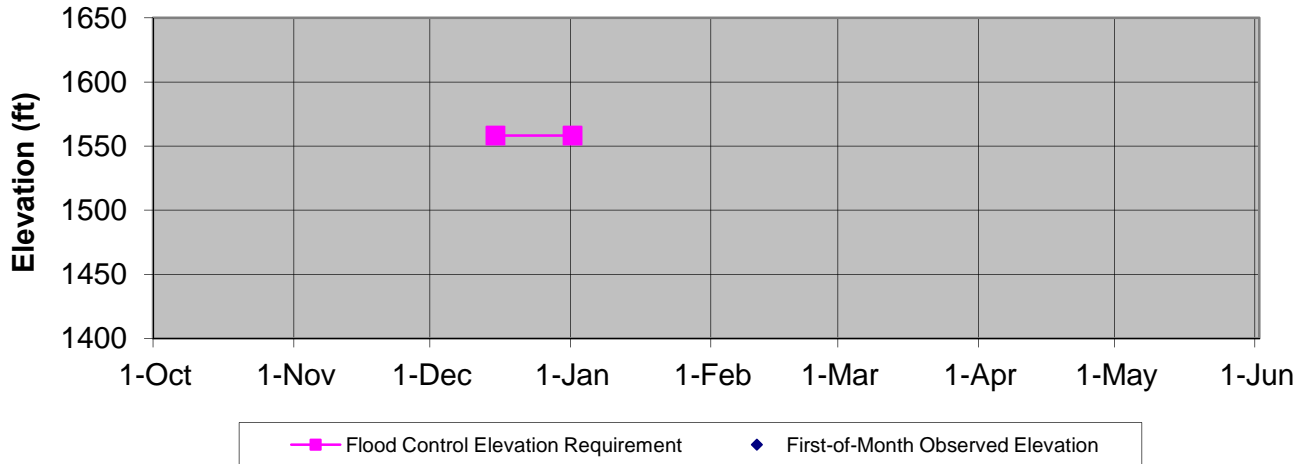
Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-1999 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2470	KAF	2438	101%	2683	92%		
	May-Jul	1771	KAF	1784	99%	1980	89%		
31-Dec Flood Control Space		700	KAF						
31-DEc Flood Control Elevation		1558.2	ft						
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	2758	2758	2470						
First-of-Month Elev									
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700						
Flood Control Elevation	--	1558.2	1558.2						

Spread of values around expected forecast



Dworshak Flood Control Elevations - 2014

Latest water supply forecast: Dec



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 : December 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		486.62	146.0
Headquarters Precip Intercept	Nov	4.60	59%	81.25	373.8
		1		1950.56	1950.6
1-Dec Forecast (KAF)				Σ	2470.3

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.30								
Precipitation (in)									
Oct									
Headquarters, ID	0.40	4.20	--	--	--	--	--		
Cumulative HQSI Data	0.40	4.60	--	--	--	--	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				--	--	--	--		
Cool Creek, ID				--	--				
Hoodoo Basin, MT				--	--	--	--	--	--
Sherwin, ID				--	--	--	--		
Shanghi Summit, ID								--	--
Lost Lake, ID				--	--	--	--	--	--
Hemlock, ID								--	--
Crater Meadows Mar						--	--		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--

Approval:

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 Ch., Hydrologic Engineering & Power Branch
 Columbia Basin Water Management Division