

Dworshak : October Runoff Forecast & Flood Control Calculation

WY 2011

Runoff Forecast and Flood Control

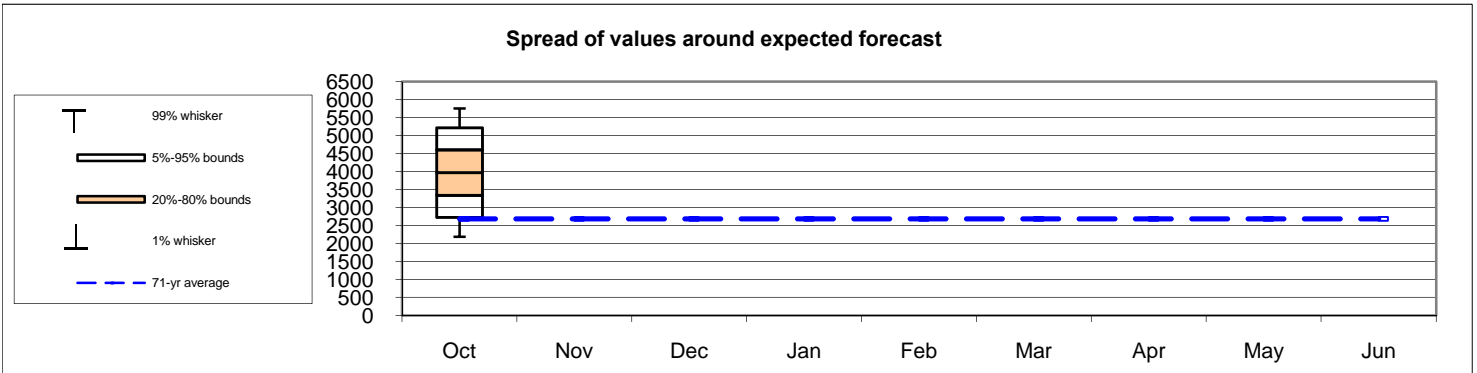
Most Probable Runoff Volume	Apr-Jul	3972	KAF
	May-Jul	2931	KAF
31-Dec Flood Control Space		700	KAF
31-Dec Flood Control Elevation		1558.2	ft

1929-1999
Average

Percent of
Average
2683 148%
1980 148%

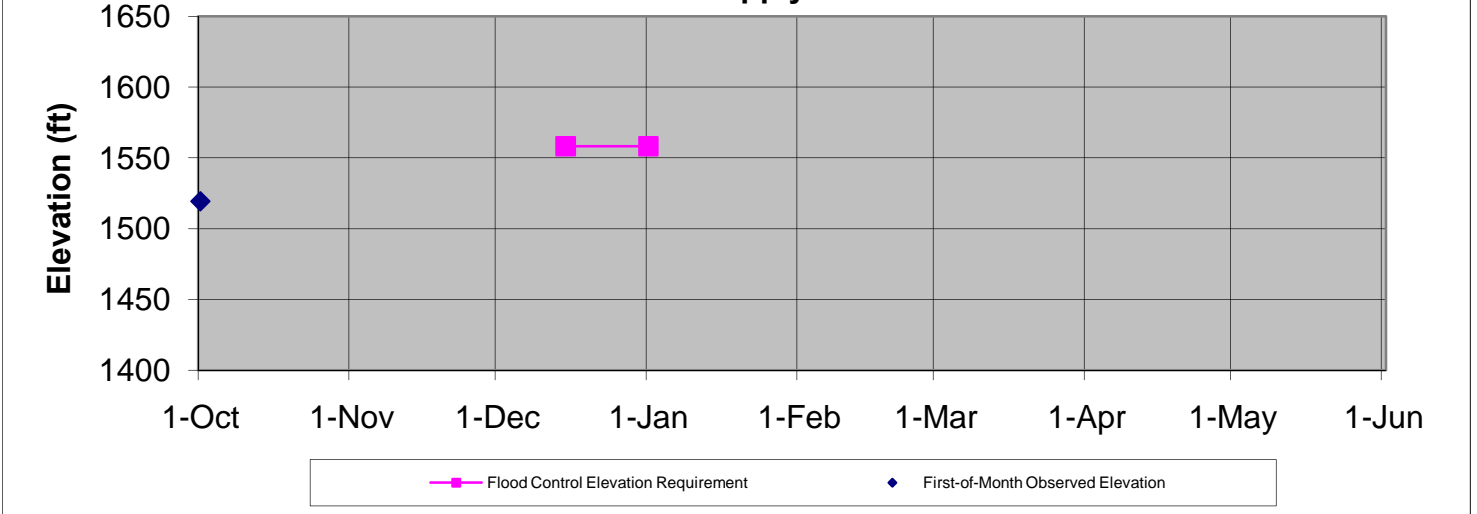
Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)

Forecast Date >>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Jul Runoff Forecast	3972								
First-of-Month Elev	1519.4								
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						



Dworshak Flood Control Elevations - 2011

Latest water supply forecast: Oct



Notes:

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Steve Hall (509 527 7550), or Kevan Schneidmiller (509 527 7285).
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.

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Apr-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	2.60		511.73	1330.5
Intercept		1		2641.52	2641.5
1-Oct Forecast (KAF)				Σ	3972.0

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	2.60								
Precipitation (monthly depth, inches)									
Headquarters, ID		--	--						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				--	--	--	--	--	--
Hemlock Butte, ID				--	--	--	--	--	--
Hoodoo Basin, MT				--	--	--	--	--	--
Pierce RS, ID				--	--	--			
Shanghi Summit, ID							--	--	
Lost Lake, ID								--	--
Streamflow (monthly volume, KAF)									
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun
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