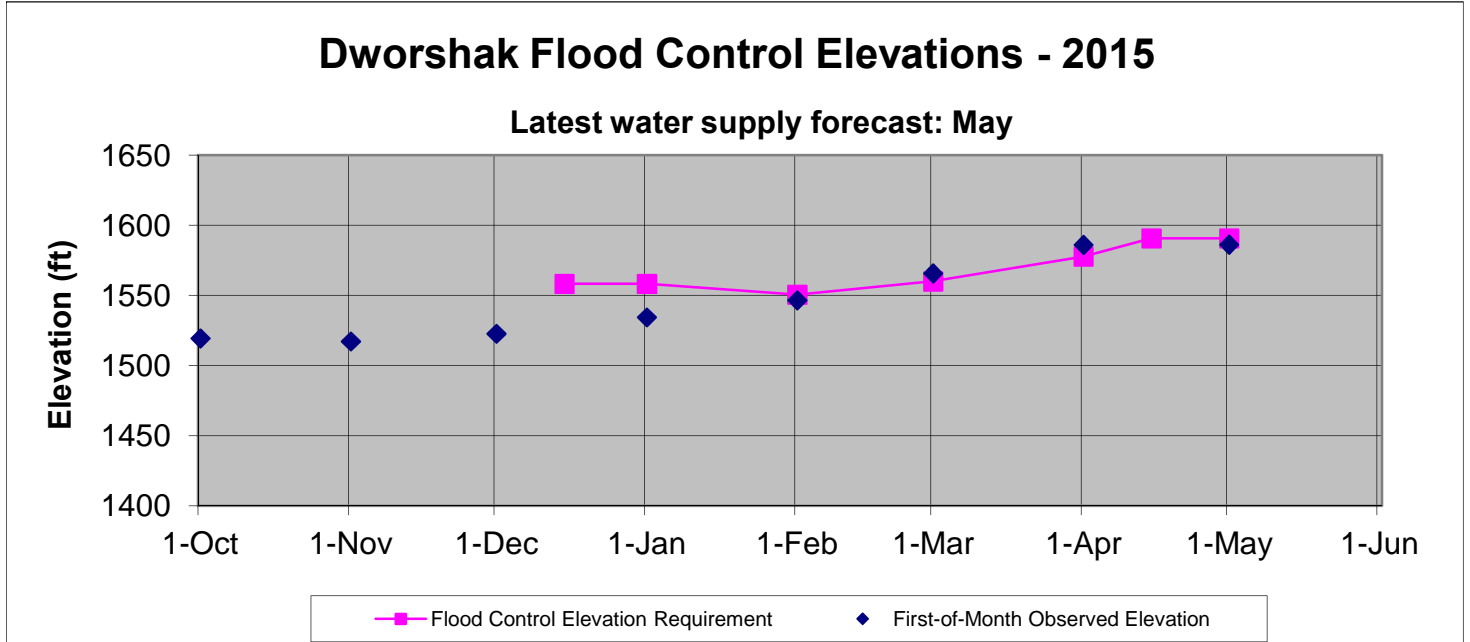
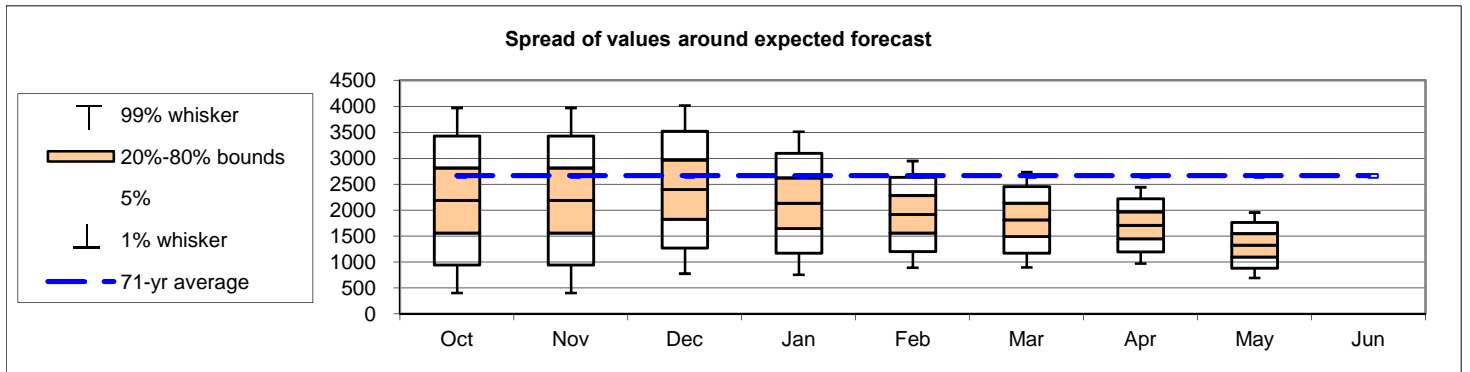


Dworshak : May Runoff Forecast & Flood Control Calculation

WY 2015

Runoff Forecast and Flood Control				1981-2010 Average	Percent of 30yr Average	1929-2010 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	1325	KAF	2438	54%	2663	50%
	May-Jul	870	KAF	1784	49%	1953	45%

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	1922	1815	1709	1325	
First-of-Month Elev	1519.4	1517.2	1522.7	1534.4	1546.5	1565.7	1586.1	1586.3	
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	811	674	397	172	172	
Flood Control Elevation	--	1558.2	1558.2	1550.6	1560.0	1577.7	1590.7	1590.7	



- 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.
 4. 30-Apr flood control elevation is based on the 95% confidence Flood Control Refill Curve as computed on 1 April.

Dworshak : May 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		122.04	-85.4
Hoodoo Basin SWE	1-Jan	26.8	59%	11.71	313.8
Shanghi Summit SWE	1-Jan	0.0	0%	14.41	0.0
Lost Lake SWE	1-Jan	29.5	49%	9.67	285.3
Hemlock SWE	1-Jan	23.5	51%	11.58	272.1
Intercept		1		84.24	84.2
1-May Forecast (KAF)				Σ	870.0

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-0.70								
Precipitation (in)	Oct								
Headquarters, ID	2.60	7.10	5.50	5.30	4.40	4.80	0.80		
Cumulative HQSI Data	2.60	9.70	15.20	20.50	24.90	29.70	30.50		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				10.5	17.3	18.5	17.9		
Cool Creek, ID				16.7	23.5				
Hoodoo Basin, MT				14.0	20.2	24.2	25.8	26.8	--
Sherwin, ID				1.4	3.4	0.3	0.0		
Shanghi Summit, ID								0.0	--
Lost Lake, ID				16.1	24.1	28.2	30.2	29.5	--
Hemlock, ID								23.5	--
Crater Meadows Mar						34.9	35.1		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				260	584	569	455	--	--

Approval:

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Columbia Basin Water Management Division