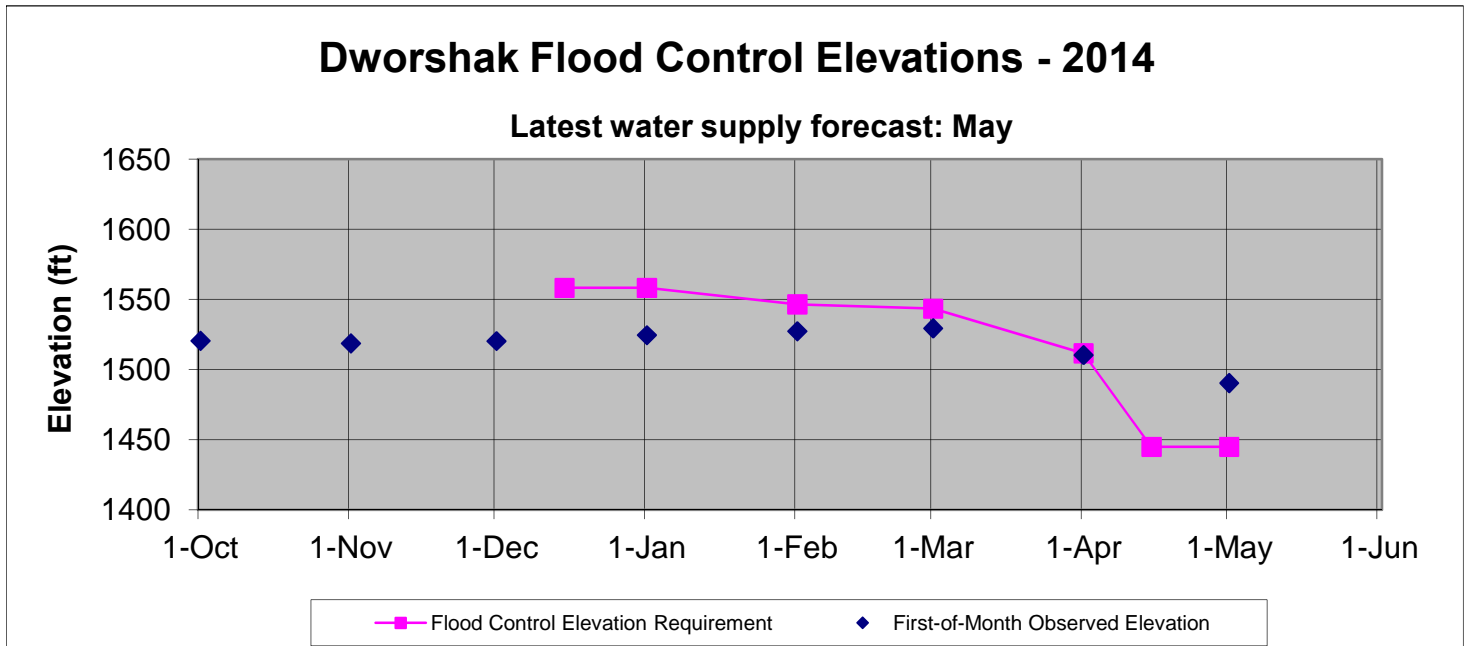
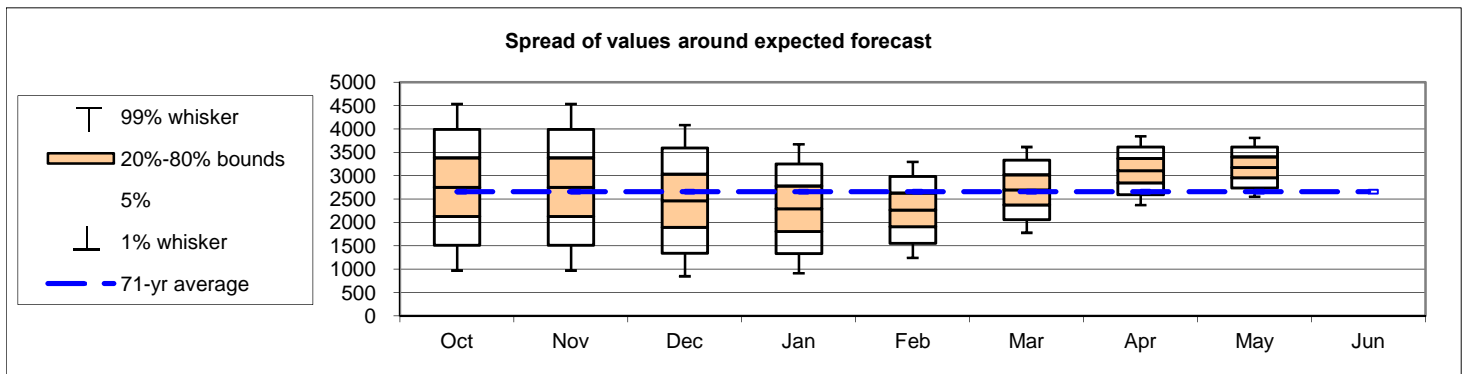


# Dworshak : May Runoff Forecast & Flood Control Calculation

WY 2014

Runoff Forecast and Flood Control				1981-2010 Average	Percent of 30yr Average	1929-2010 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	3183	KAF	2438	131%	2663	120%
	May-Jul	2454	KAF	1784	138%	1953	126%

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	2296	2274	2701	3111	3183	
First-of-Month Elev	1520.6	1518.7	1520.4	1524.6	1527.3	1529.5	1510.4	1490.5	
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	869	912	1336	2016	2016	
Flood Control Elevation	--	1558.2	1558.2	1546.5	1543.5	1511.6	1445.0	1445.0	



- 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	0.30		122.04	36.6
Hoodoo Basin SWE	1-Jan	57.4	126%	11.71	672.2
Shanghi Summit SWE	1-Jan	20.8	122%	14.41	299.7
Lost Lake SWE	1-Jan	65.2	109%	9.67	630.5
Hemlock SWE	1-Jan	63.1	137%	11.58	730.7
Intercept		1		84.24	84.2
1-May Forecast (KAF)				Σ	2453.9

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	0.30								
<b>Precipitation (in)</b>									
Headquarters, ID	0.40	4.20	4.90	5.00	5.80	8.00	2.20		
Cumulative HQSI Data	0.40	4.60	9.50	14.50	20.30	28.30	30.50		
<b>Snow Water Equiv (First of Month values) (in)</b>									
Elk Butte, ID				12.8	21.4	32.2	42.9		
Cool Creek, ID				16.6	28.6				
Hoodoo Basin, MT				13.3	22.2	37.3	52.3	57.4	--
Sherwin, ID				2.7	6.0	9.3	3.4		
Shanghi Summit, ID								20.8	--
Lost Lake, ID				19.8	30.0	44.9	59.6	65.2	--
Hemlock, ID								63.1	--
Crater Meadows Mar						46.9	65.1		
<b>Streamflow (End of Month) (kaf)</b>				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				132	143	678	729	--	--

Approval:

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 Ch., Hydrologic Engineering and Power Brar  
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