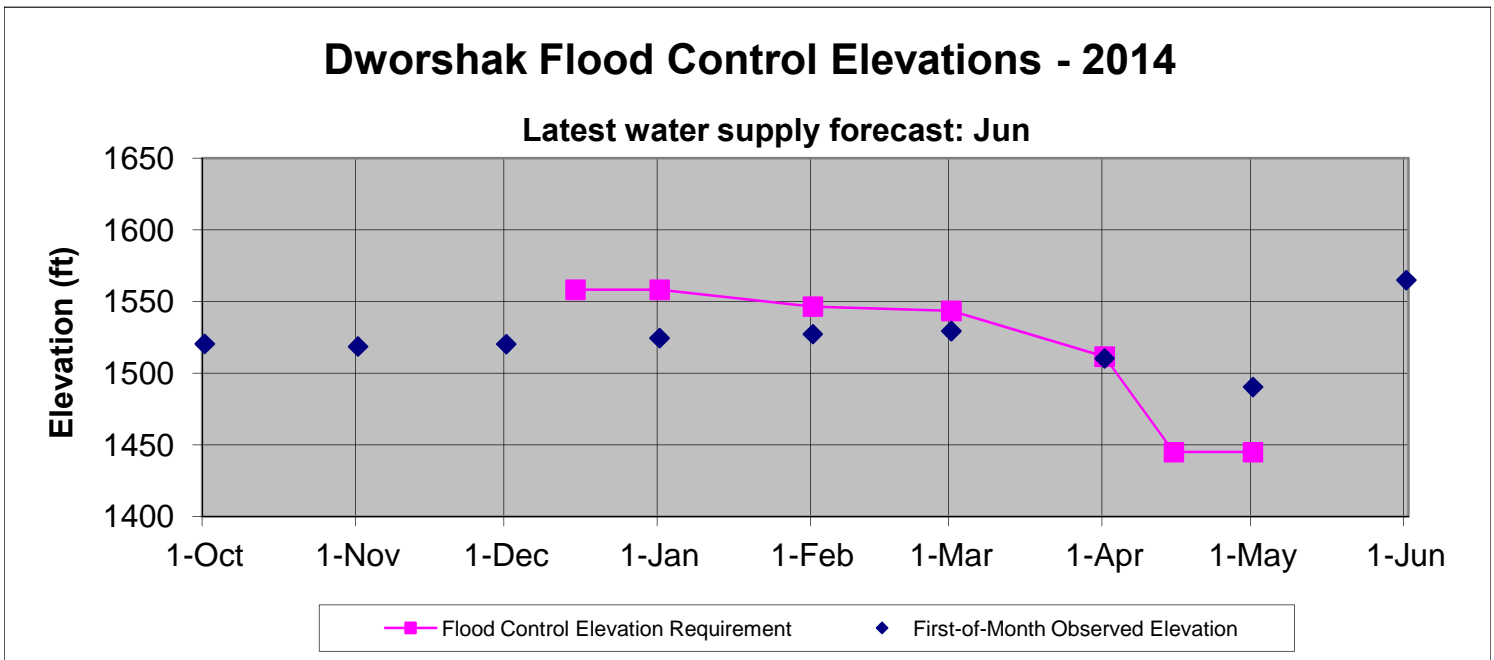
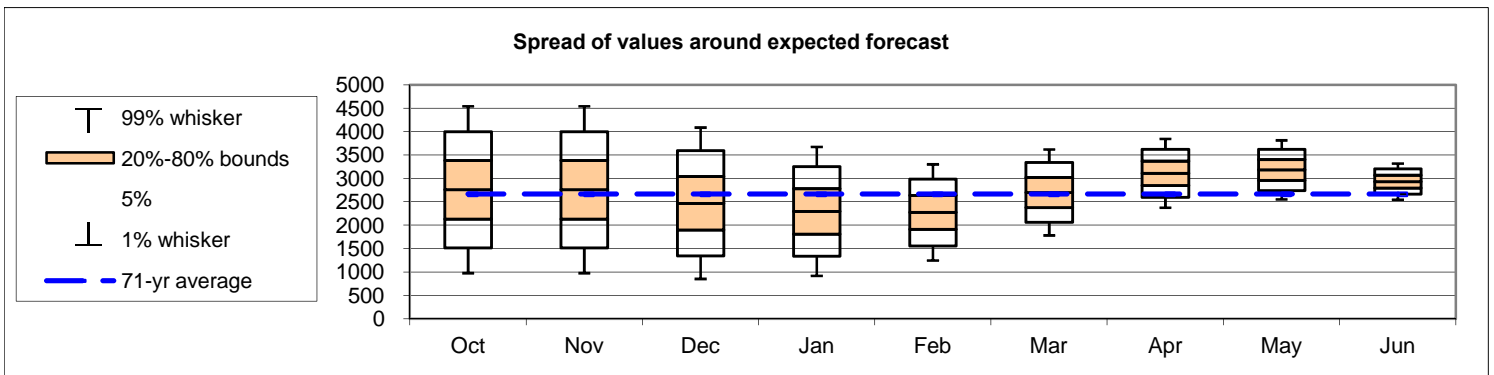


Dworshak : June Runoff Forecast & Flood Control Calculation

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	2933	KAF	2438	120%	2663	110%		
	May-Jul	2204	KAF	1784	124%	1953	113%		
	Jun-Jul	1027	KAF	853	124%	913	113%		
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	2933
First-of-Month Elev	1520.6	1518.7	1520.4	1524.6	1527.3	1529.5	1510.4	1490.5	1565.0
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:
- 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 : June 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
Hoodoo Basin SWE	1-Jan	42.3	149%	8.21	347.3
Shanghi Summit SWE	1-Jan	0.0	0%	10.26	0.0
Lost Lake SWE	1-Jan	46.5	112%	6.14	285.5
Hemlock SWE	1-Jan	33.7	138%	7.57	255.1
Intercept		1		138.78	138.8
1-May Forecast (KAF)				Σ	1026.7

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	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		
Snow Water Equiv (First of Month values) (in)									
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	42.3
Sherwin, ID				2.7	6.0	9.3	3.4		
Shanghi Summit, ID								20.8	0.0
Lost Lake, ID				19.8	30.0	44.9	59.6	65.2	46.5
Hemlock, ID								63.1	33.7
Crater Meadows Mar						46.9	65.1		
Streamflow (End of Month) (kaf)									
				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				132	143	678	729	1177	--

Approval:

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 Ch., Hydrologic Engineering and Power Brar
 Columbia Basin Water Management Division