

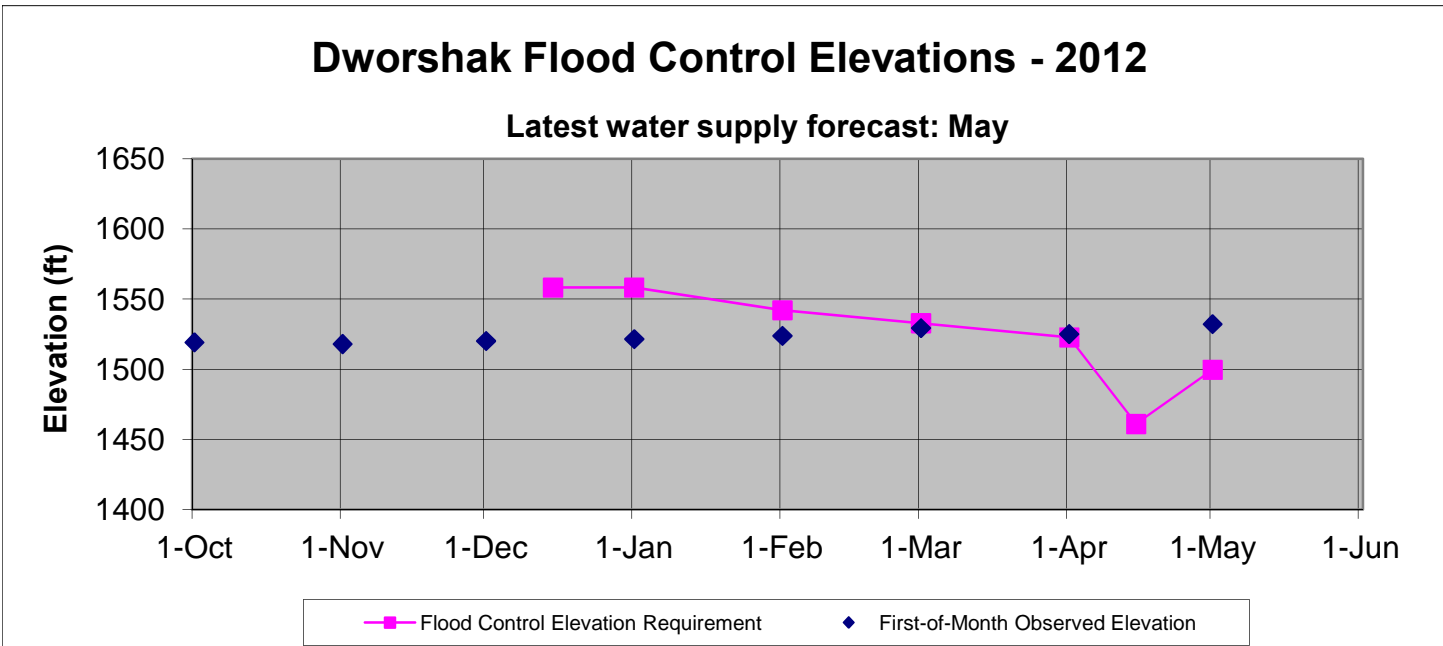
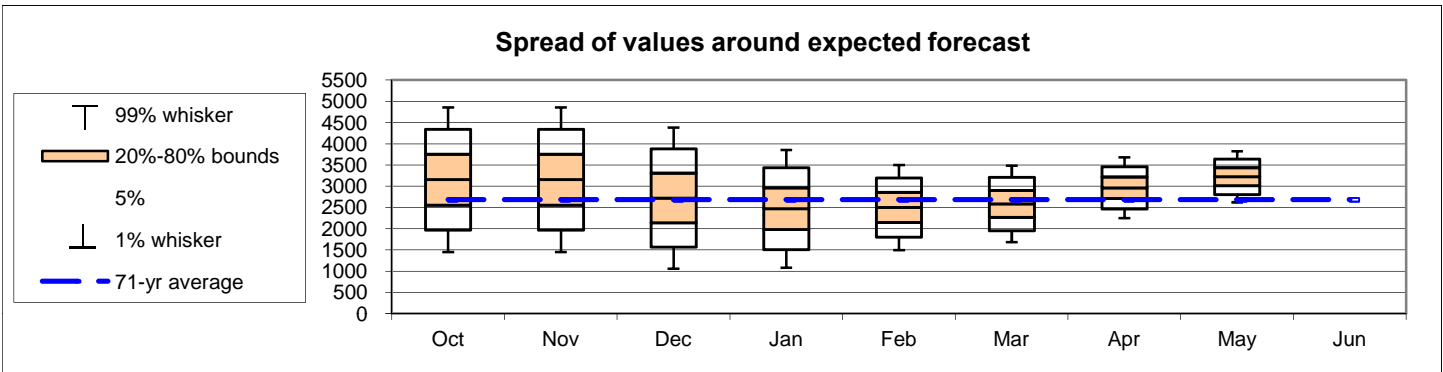
Dworshak : May Runoff Forecast & Flood Control Calculation

WY 2012

Runoff Forecast and Flood Control			
Most Probable Runoff Volume	Apr-Jul	3226	KAF
	May-Jul	2092	KAF

1929-1999 Average	Percent of Average
2683	120%
1980	106%

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	3157	3157	2724	2473	2504	2585	2966	3226	
First-of-Month Elev	1519.2	1518.1	1520.2	1521.6	1523.9	1529.4	1525.1	1532.3	
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	931	1059	1193	1868	1479	
Flood Control Elevation	--	1558.2	1558.2	1542.1	1532.9	1522.8	1461.0	1499.6	



- 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.

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May-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	1.00		96.46	96.5
Elk Butte SWE	1-May	30.50	84%	10.48	319.6
Hemlock Butte SWE	1-May	48.00	101%	9.52	457.0
Hoodoo Basin SWE	1-May	46.20	100%	9.54	440.7
Shanghi Summit SWE	1-May	19.70	107%	11.93	235.0
Lost Lake SWE	1-May	57.10	94%	7.99	456.2
Intercept		1		86.63	86.6
1-May Forecast (KAF)				Σ	2091.7

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	1.00								
Precipitation (monthly depth, inches)									
Headquarters, ID		3.50	3.10						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				10.5	22.6	30.4	38.6	30.5	--
Hemlock Butte, ID				15.0	29.1	40.3	53.8	48.0	--
Hoodoo Basin, MT				16.4	29.5	36.2	48.6	46.2	--
Pierce RS, ID				1.7	6.2	8.4			
Shanghi Summit, ID							30.7	19.7	
Lost Lake, ID								57.1	--
Streamflow (monthly volume, KAF)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				121	177	454	1134	--	--