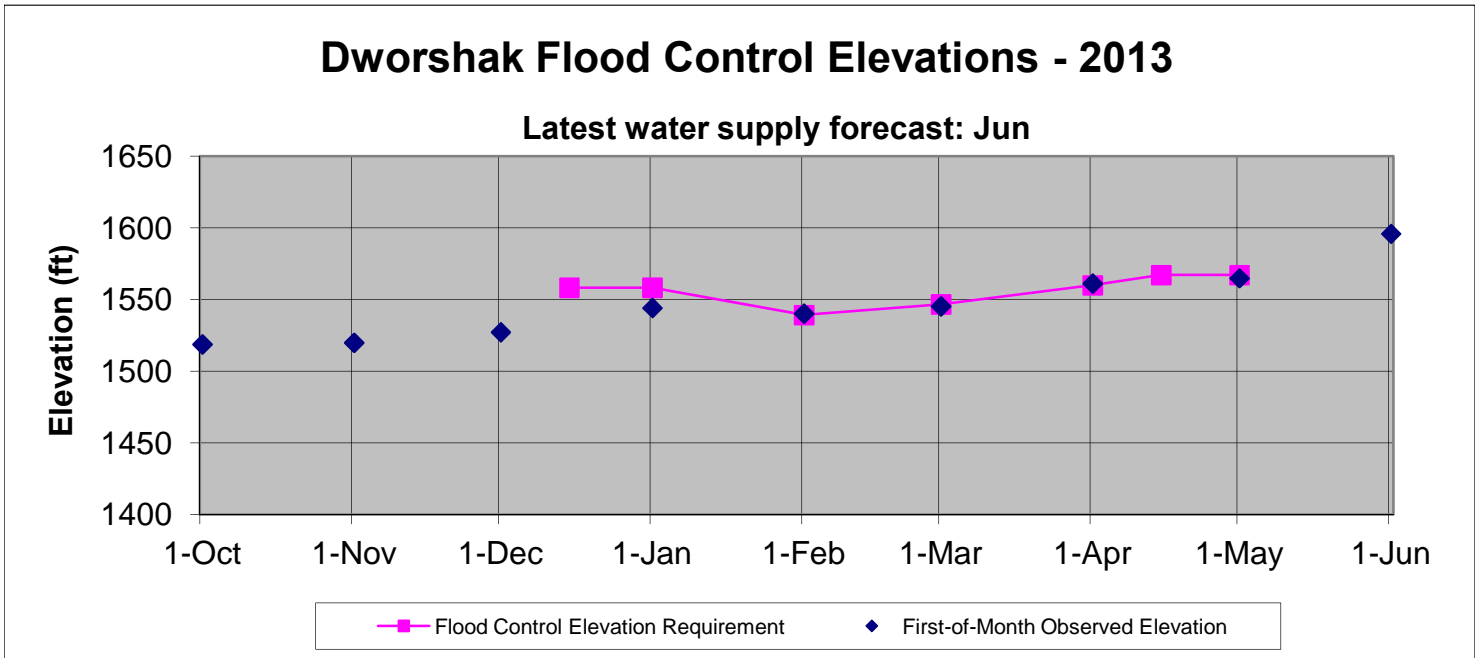
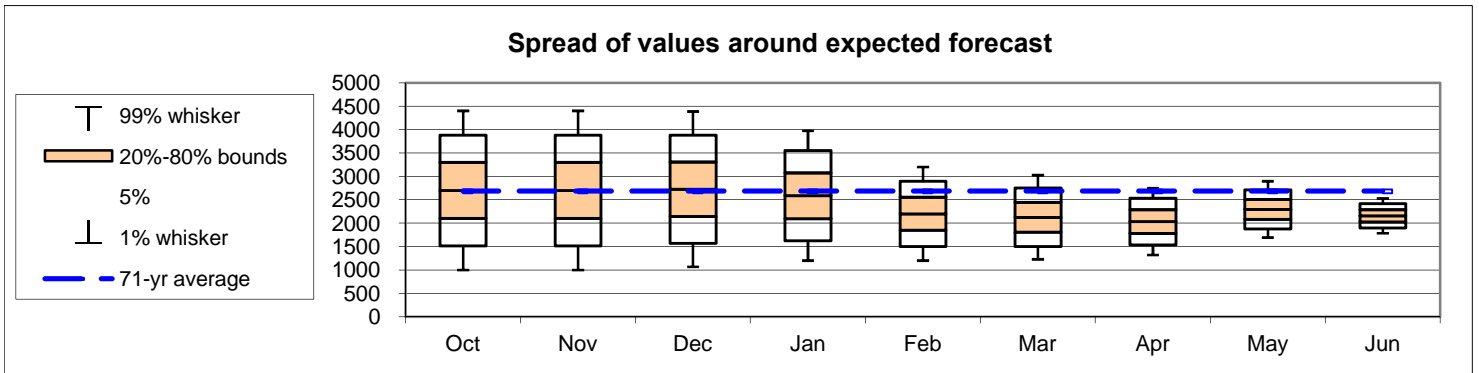


Dworshak : June Runoff Forecast & Flood Control Calculation

WY 2013

Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-1999 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2158	KAF	2437.9	89%	2683	80%		
	May-Jul	1527	KAF	1783.7	117%	1980	77%		
	Jun-Jul	613	KAF	852.9	139%	924	66%		
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	2701	2701	2727	2587	2202	2128	2036	2296	2158
First-of-Month Elev	1518.8	1519.9	1527.3	1544.2	1540.2	1545.3	1561.2	1564.9	1595.9
<hr/>									
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	
Flood Control Space	--	700	700	970	867	675	567	567	
Flood Control Elevation	--	1558.2	1558.2	1539.2	1546.7	1560.0	1567.1	1567.1	



- 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

Jun-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
Elk Butte SWE	1-Jun	3.20	24%	6.84	21.9
Hemlock Butte SWE	1-Jun	9.00	34%	6.24	56.2
Hoodoo Basin SWE	1-Jun	25.60	90%	6.73	172.3
Lost Lake SWE	1-Jun	27.20	63%	5.10	138.7
Shanghi Summit SWE	1-May	9.40	51%	8.40	79.0
Intercept		1		145.39	145.4
1-Jun Forecast (KAF)				Σ	613.4

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.20								
Precipitation (monthly depth, inches)									
Headquarters, ID		5.30	6.30						
Snow Water Equiv (first of month SWE depth, inches)									
Elk Butte, ID				12.6	21.0	25.9	29.7	28.8	3.2
Hemlock Butte, ID				15.1	25.6	32.0	38.3	40.1	9.0
Hoodoo Basin, MT				17.2	23.8	29.9	36.6	40.6	25.6
Pierce RS, ID				1.9	5.6	6.2			
Shanghi Summit, ID							16.3	9.4	
Lost Lake, ID								47.1	27.2
Streamflow (monthly volume, KAF)									
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun
				158	162	331	630	914	--

Approval:

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