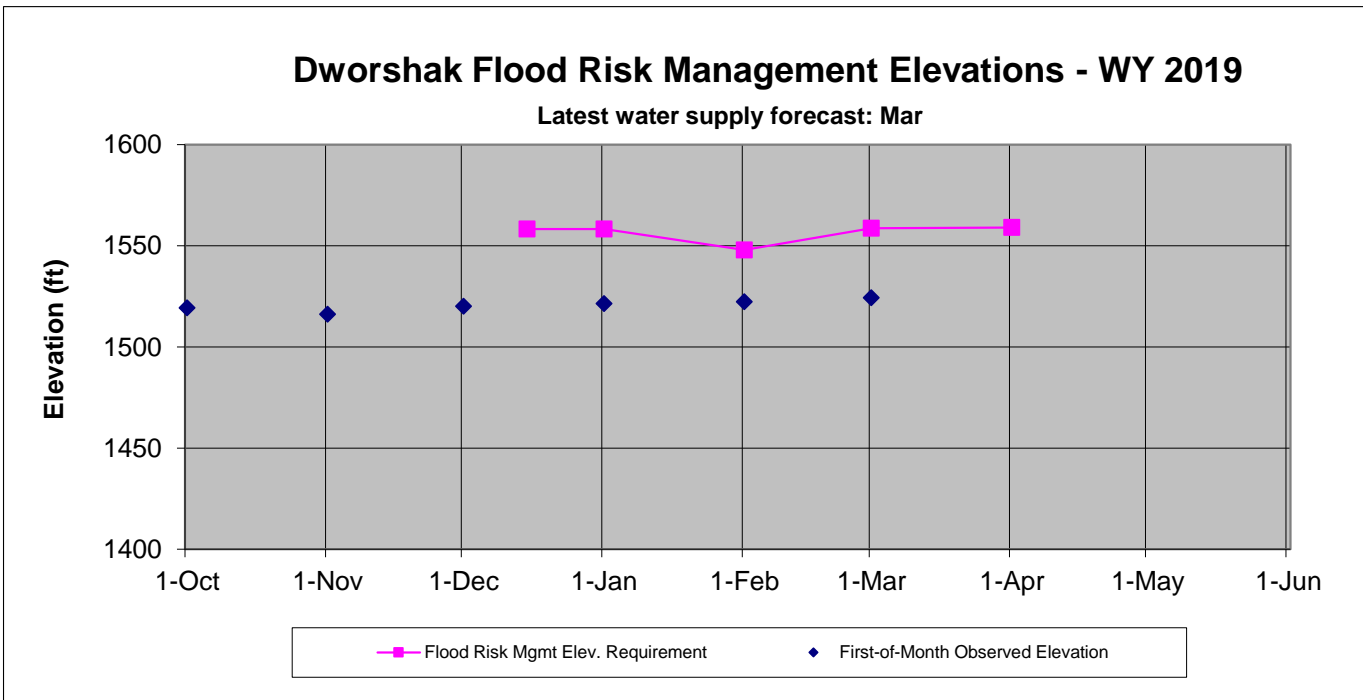
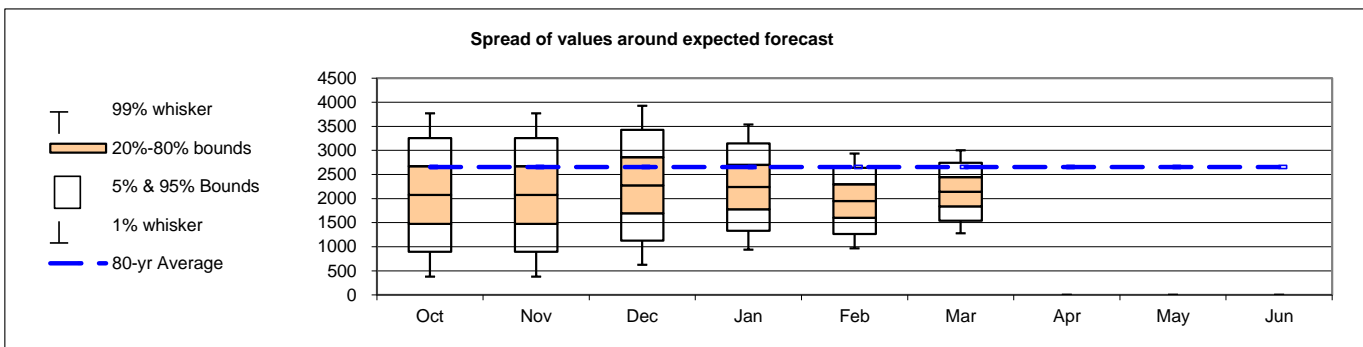


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2142	KAF	2438	88%	2655	81%		
	May-Jul	1567	KAF	1784	88%	1959	80%		
31-Mar Flood Risk Management Space		689	KAF						
31-Mar Flood Risk Management Elevation		1559.0	ft						
Seasonal Flood Risk Management (assumes no shift of flood risk management space to Grand Coulee)									
Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Jul Runoff Forecast	2075	2075	2276	2239	1951	2142			
First-of-Month Elev	1519.3	1516.1	1520.1	1521.4	1522.3	1524.3			
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	31-May
FRM Space	--	700	700	849	694	689			
FRM Elevation	--	1558.2	1558.2	1547.9	1558.6	1559.0			



Dworshak : March Runoff Forecast & Flood Risk Management Calculation

Apr-Jul Runoff Forecast Calculation					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	-0.90		220.73	-198.7
HQSI Cumulative Precip	Oct-Date	18.30	81%	23.39	428.0
Elk Butte SWE	1-Mar	29.9	102%	10.16	303.3
Hoodoo Basin SWE	1-Mar	30.6	94%	10.01	306.3
Sherwin SWE	1-Mar	10.2	117%	25.42	259.3
Lost Lake SWE	1-Mar	36.2	84%	6.99	253.0
Crater meadows SWE	1-Mar	37.8	107%	13.06	493.7
Intercept		1		296.75	296.8
1-Mar Forecast (KAF)				Σ	2141.7

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-0.90								
Precipitation (in)	Oct								
Headquarters, ID	3.80	5.60	5.30	2.20	1.40	--	--		
Cumulative HQSI Data	3.80	9.40	14.70	16.90	18.30	--	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				15.5	20.6	29.9	--		
Cool Creek, ID				21.5	26.7				
Hoodoo Basin, MT				14.4	21.1	30.6	--	--	--
Sherwin, ID				3.7	6.1	10.2	--		
Shanghi Summit, ID								--	--
Lost Lake, ID				18.8	26.1	36.2	--	--	--
Hemlock, ID								--	--
Crater Meadows Mar						37.8	--		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				114	121	--	--	--	--

Notes:

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Steve Hall (509-527-7550), Alfredo Rodriguez (509-527-7532), or Jon Roberts (509-527-7518).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
3. Elk Butte quit reporting on 2/6 with a value of 22.4" of SWE. This station value was average using Lost Lake value of 36.2in & Lolo Pass value of 23.5in for a value of 29.85in.
4. Headquarters precipitation gage has reported intermittently and its value will be updated if a correction can be made for the location.

Approval:

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