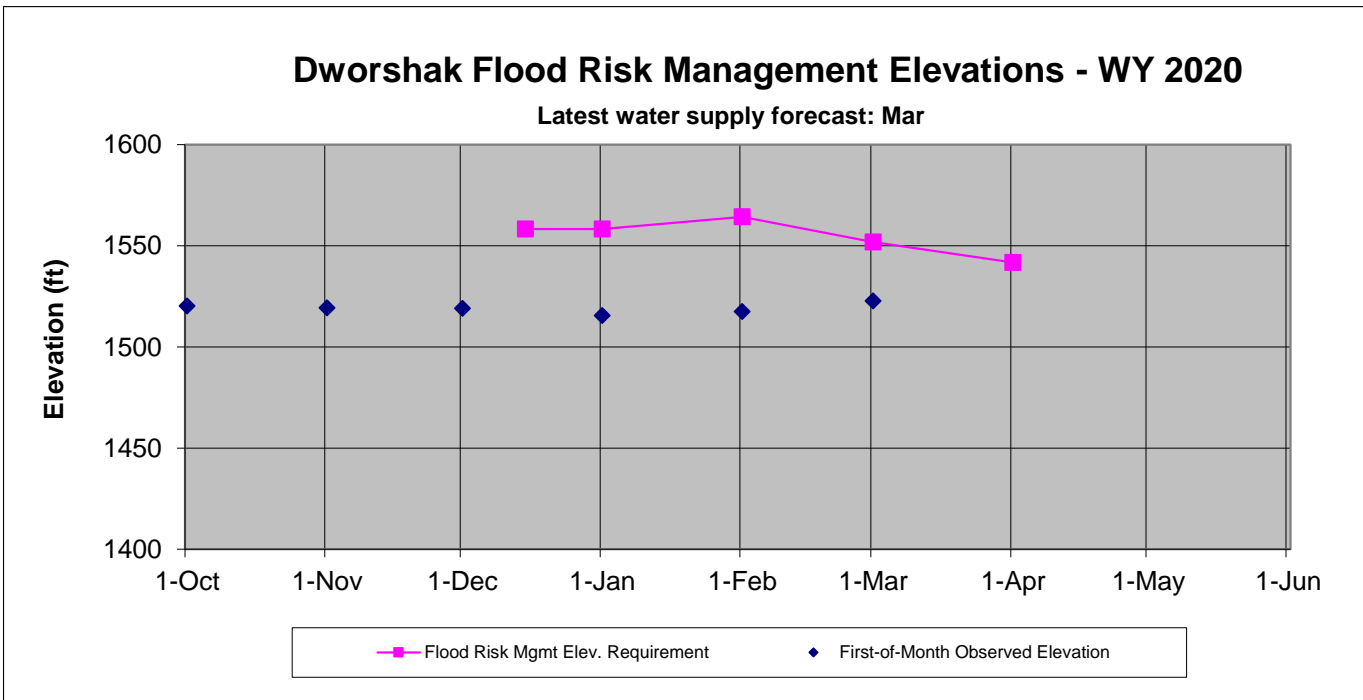
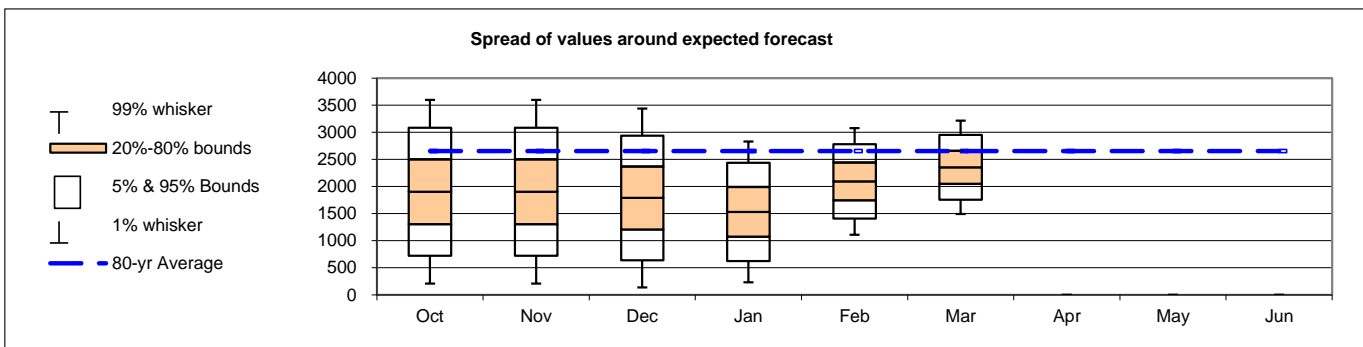


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2355	KAF	2438	97%	2655	89%		
	May-Jul	1723	KAF	1784	97%	1959	88%		
31-Mar Flood Risk Management Space		936	KAF						
31-Mar Flood Risk Management Elevation		1541.7	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	1904	1904	1789	1532	2095	2355			
First-of-Month Elev	1520.3	1519.3	1519.0	1515.4	1517.4	1522.7			
Date >>		15-Dec	31-Dec	31-Jan	29-Feb	31-Mar	15-Apr	30-Apr	31-May
FRM Space	--	700	700	610	793	936			
FRM Elevation	--	1558.2	1558.2	1564.3	1551.9	1541.7			



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	-1.20		220.73	-264.9
HQSI Cumulative Precip	Oct-Date	20.40	91%	23.39	477.2
Elk Butte SWE	1-Mar	35.2	120%	10.16	357.6
Hoodoo Basin SWE	1-Mar	33.1	102%	10.01	331.3
Sherwin SWE	1-Mar	10.5	121%	25.42	266.9
Lost Lake SWE	1-Mar	46.1	107%	6.99	322.2
Crater meadows SWE	1-Mar	43.5	123%	13.06	568.1
Intercept		1		296.75	296.8
1-Mar Forecast (KAF)				Σ	2355.3

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-1.20								
Precipitation (in)									
Headquarters, ID	3.30	1.90	3.50	7.60	4.10	--	--		
Cumulative HQSI Data	3.30	5.20	8.70	16.30	20.40	--	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				8.8	26.2	35.2	--		
Cool Creek, ID				10.2	28.5				
Hoodoo Basin, MT				9.4	25.1	33.1	--	--	--
Sherwin, ID				2.3	7.9	10.5	--		
Shanghi Summit, ID								--	--
Lost Lake, ID				10.9	33.3	46.1	--	--	--
Hemlock, ID								--	--
Crater Meadows Mar						43.5	--		
Streamflow (End of Month) (kaf)									
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun
				138	160	--	--	--	--

Notes:

- The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Alfredo Rodriguez (509-527-7532), or Jon Roberts (509-527-7518).
- Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.

Approval:

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