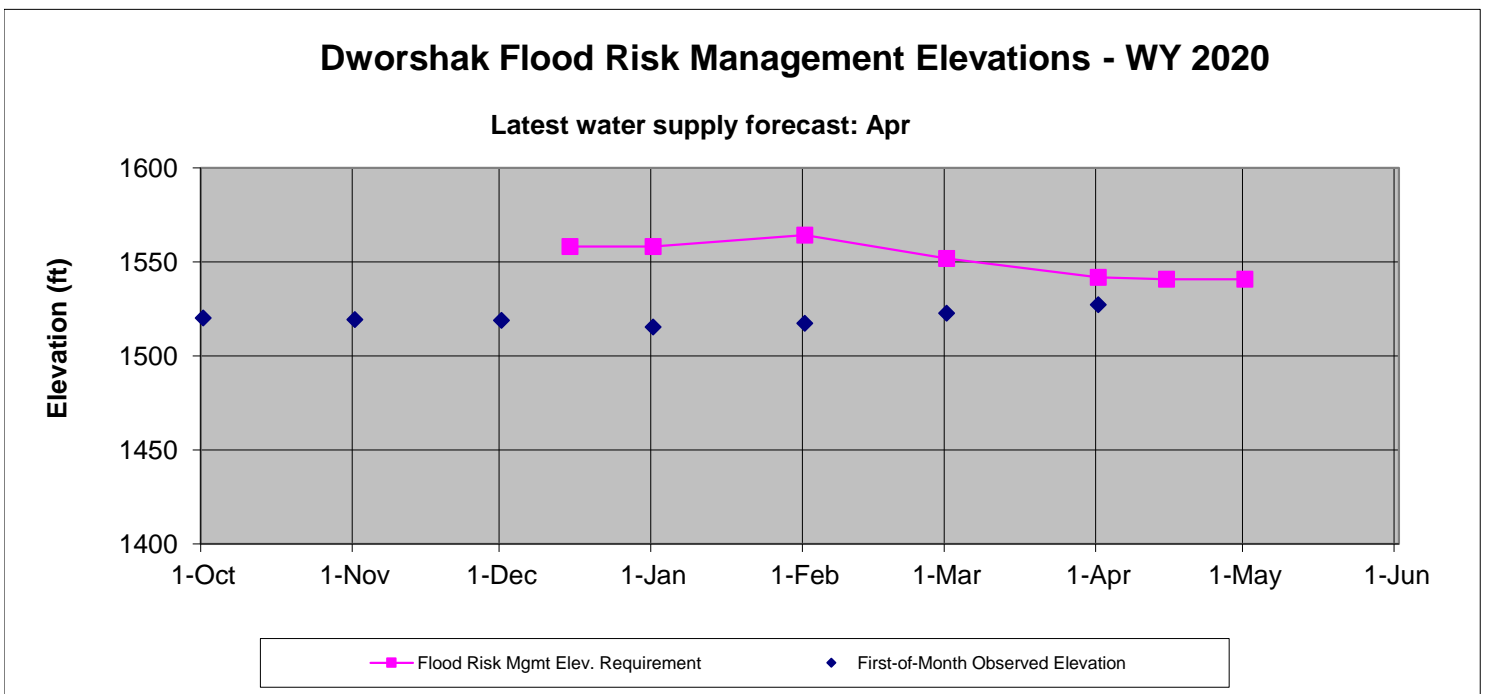
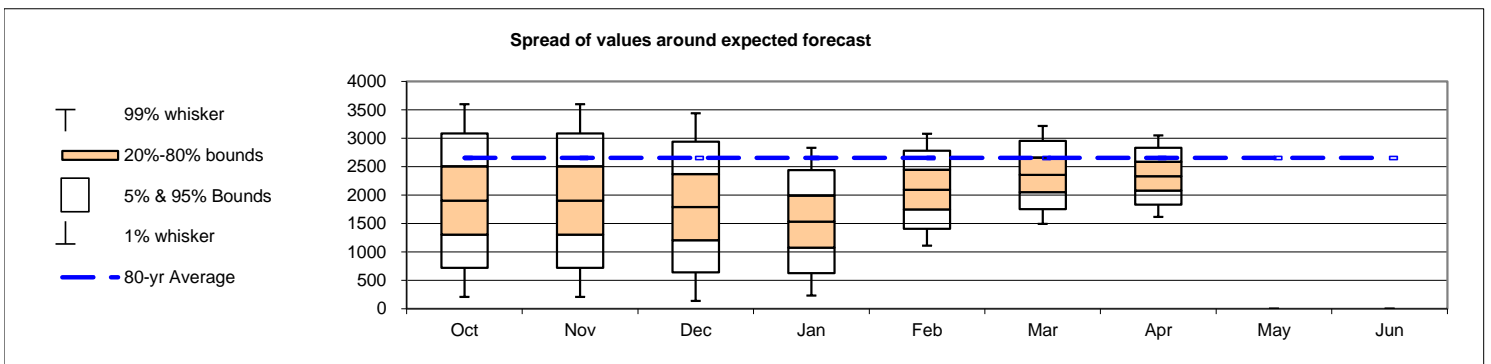


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2333	KAF	2438	96%	2655	88%		
	May-Jul	1707	KAF	1784	96%	1959	87%		
30-Apr Flood Risk Management Space		950	KAF						
30-Apr Flood Risk Management Elevation		1540.8	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	2333		
First-of-Month Elev	1520.3	1519.3	1519.0	1515.4	1517.4	1522.7	1527.2		
Date >>	15-Dec	31-Dec	31-Jan	29-Feb	31-Mar	15-Apr	30-Apr	31-May	
FRM Space	--	700	700	610	793	936	950	950	
FRM Elevation	--	1558.2	1558.2	1564.3	1551.9	1541.7	1540.8	1540.8	



Dworshak : April Runoff Forecast & Flood Risk Management Calculation

Apr-Jul Runoff Forecast Calculation					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Runoff (KAF)
		A		B	=A*B
SOI	Sep	-1.20		171.32	-205.6
HQSI Cumulative Precip	Oct-Date	22.70	83%	22.32	506.7
Elk Butte SWE	1-Apr	40.0	116%	11.61	464.0
Hoodoo Basin SWE	1-Apr	36.9	94%	10.27	378.9
Sherwin SWE	1-Apr	6.4	93%	19.49	124.9
Lost Lake SWE	1-Apr	52.5	101%	7.91	415.4
Crater meadows SWE	1-Apr	49.7	116%	13.37	664.5
Intercept		1		-15.43	-15.4
1-Apr Forecast (KAF)				Σ	2333.3

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	2.30	--		
Cumulative HQSI Data	3.30	5.20	8.70	16.30	20.40	22.70	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				8.8	26.2	35.2	40.0		
Cool Creek, ID				10.2	28.5				
Hoodoo Basin, MT				9.4	25.1	33.1	36.9	--	--
Sherwin, ID				2.3	7.9	10.5	6.4		
Shanghi Summit, ID								--	--
Lost Lake, ID				10.9	33.3	46.1	52.5	--	--
Hemlock, ID								--	--
Crater Meadows Mar						43.5	49.7		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				138	160	209	--	--	--

Notes:

1. 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).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.

Approval:

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