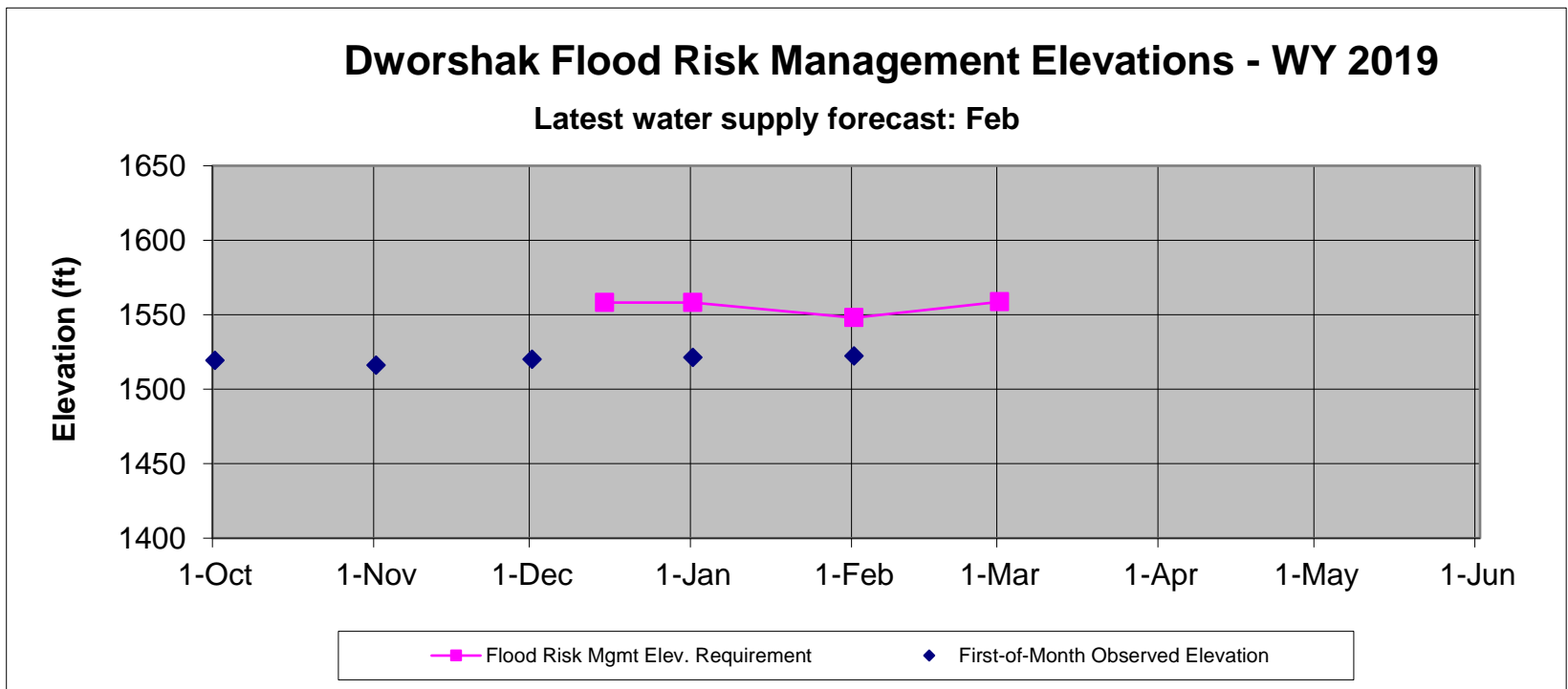
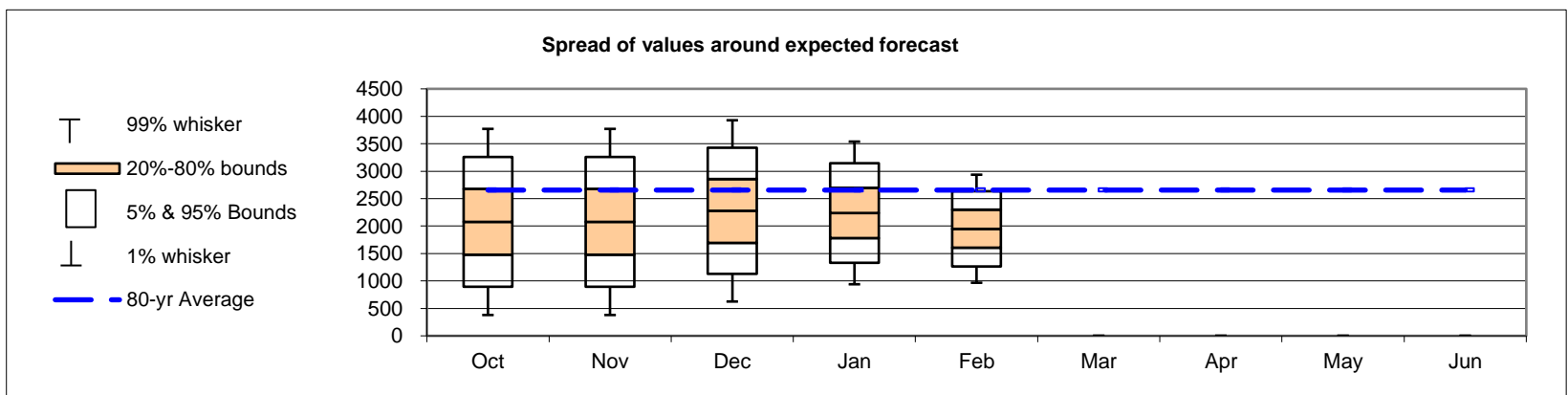


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	1951	KAF	2438	80%	2655	73%		
	May-Jul	1428	KAF	1784	80%	1959	73%		
28/29-Feb Flood Risk Management Space			694	KAF					
28/29-Feb Flood Risk Management Elevation			1558.6	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				
First-of-Month Elev	1519.3	1516.1	1520.1	1521.4	1522.3				
Date >>		15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	31-May
FRM Space	--	700	700	849	694				
FRM Elevation	--	1558.2	1558.2	1547.9	1558.6				



## Dworshak : February 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		264.27	-237.8
HQSI Cumulative Precip	Oct-Date	16.90	87%	27.04	457.0
Elk Butte SWE	1-Feb	20.6	89%	12.06	248.4
Cool Creek SWE	1-Feb	26.7	92%	11.35	303.0
Hoodoo Basin SWE	1-Feb	21.1	82%	10.97	231.5
Sherwin SWE	1-Feb	6.1	79%	29.17	177.9
Lost Lake SWE	1-Feb	26.1	75%	7.60	198.4
Intercept		1		572.93	572.9
1-Feb Forecast (KAF)					$\Sigma$ 1951.3

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

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. There is a snow flight scheduled in mid-Feb. to verify snow density in the basin.

Approval:

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