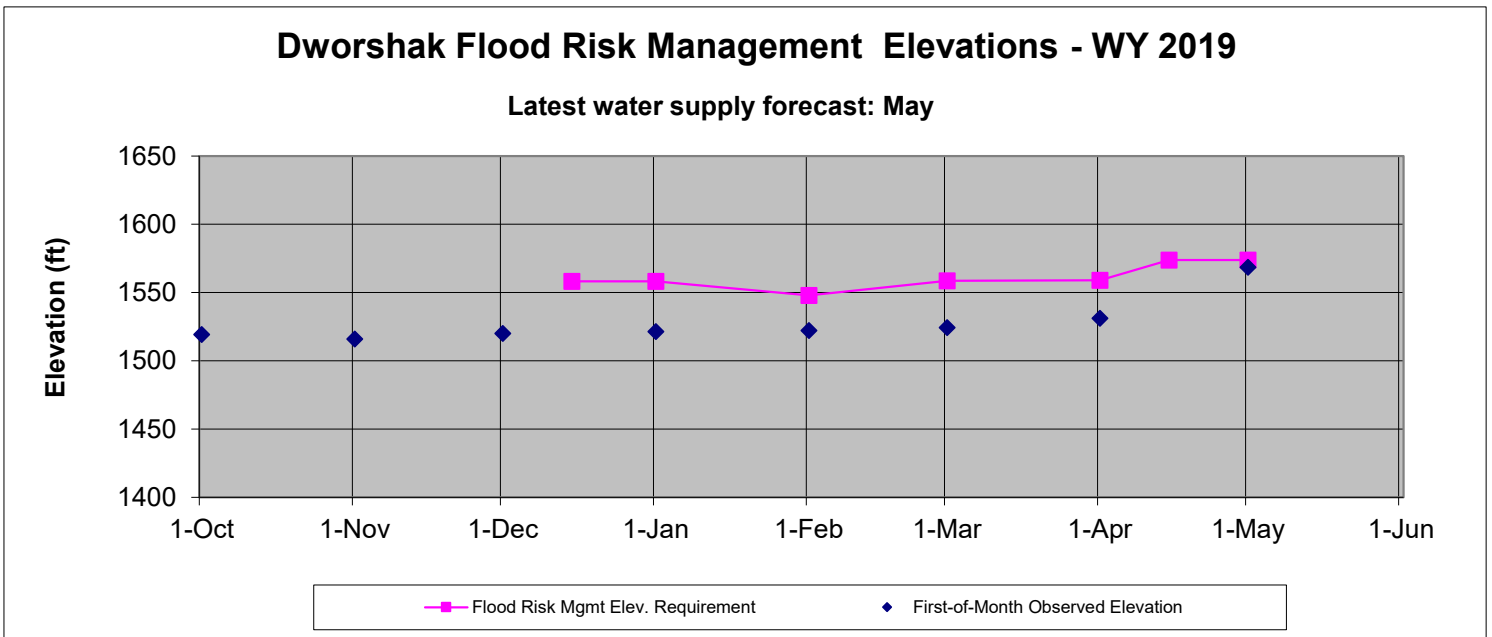
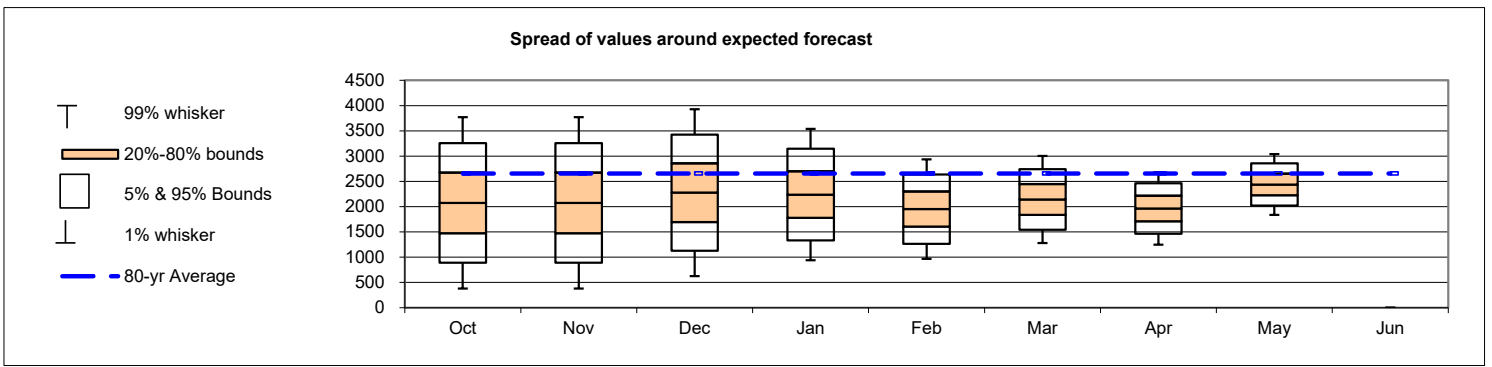


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	2438	KAF	2438	100%	2655	92%
	May-Jul	1509	KAF	1784	85%	1959	77%

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	1964	2438	
First-of-Month Elev	1519.3	1516.1	1520.1	1521.4	1522.3	1524.3	1531.3	1568.6	

Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	31-May	
FRM Space	--	700	700	849	694	689	460	460	0
FRM Elevation	--	1558.2	1558.2	1547.9	1558.6	1559.0	1573.8	1573.8	1595.0



Dworshak : May 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		122.04	-109.8
Hoodoo Basin SWE	1-May	37.9	94%	11.71	443.8
Shanghi Summit SWE	1-May	7.6	55%	14.41	109.5
Lost Lake SWE	1-May	44.7	87%	9.67	432.2
Hemlock SWE	1-May	47.4	119%	11.58	548.9
Intercept		1		84.24	84.2
1-May Forecast (KAF)				Σ	1508.9

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	2.70	#N/A		
Cumulative HQSI Data	3.80	9.40	14.70	16.90	18.30	21.00	#N/A		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				15.5	20.6	29.9	31.3		
Cool Creek, ID				21.5	26.7				
Hoodoo Basin, MT				14.4	21.1	30.6	33.1	37.9	--
Sherwin, ID				3.7	6.1	10.2	5.7		
Shanghi Summit, ID								7.6	--
Lost Lake, ID				18.8	26.1	36.2	39.8	44.7	--
Hemlock, ID								47.4	--
Crater Meadows Mar						37.8	40.1		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				114	121	219	929	--	--

Notes:

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

Approval:

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