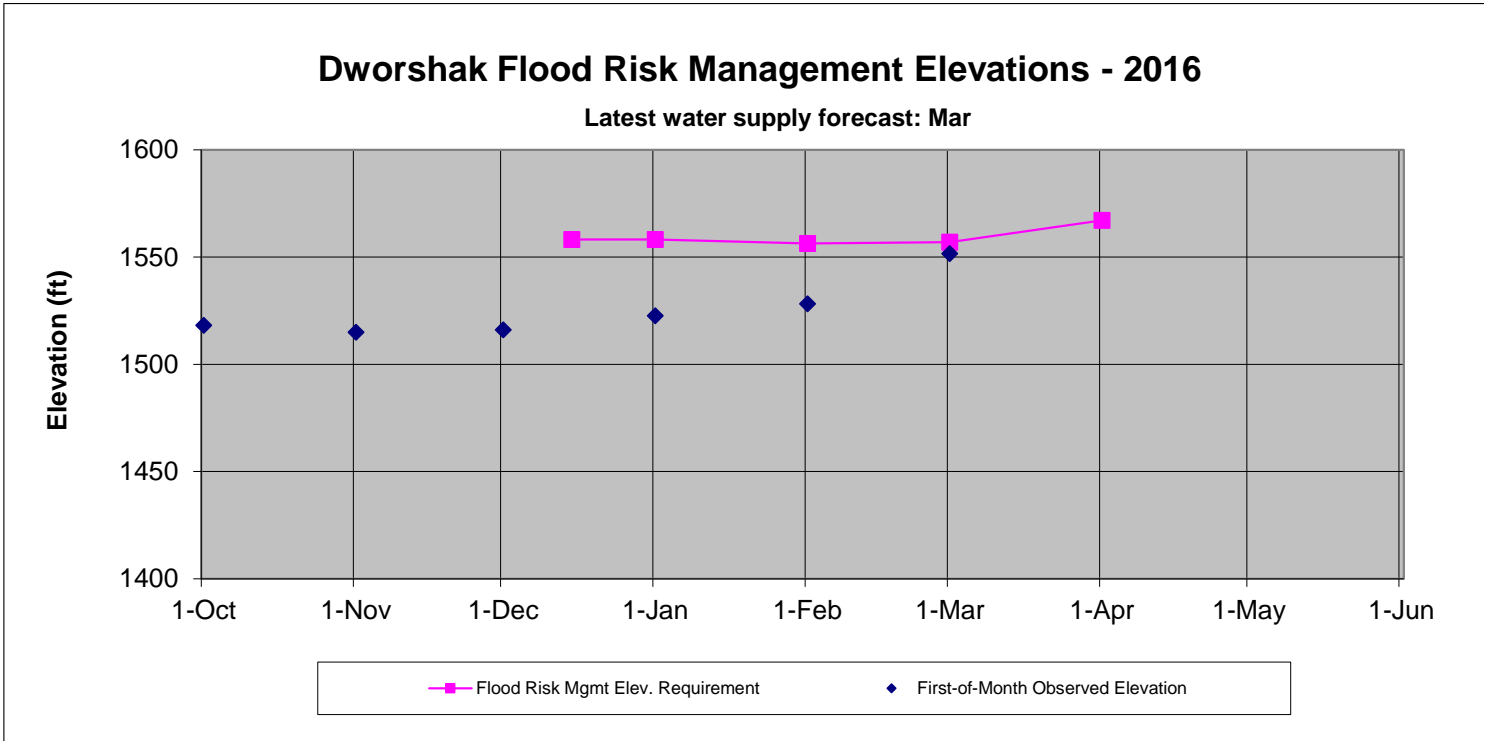
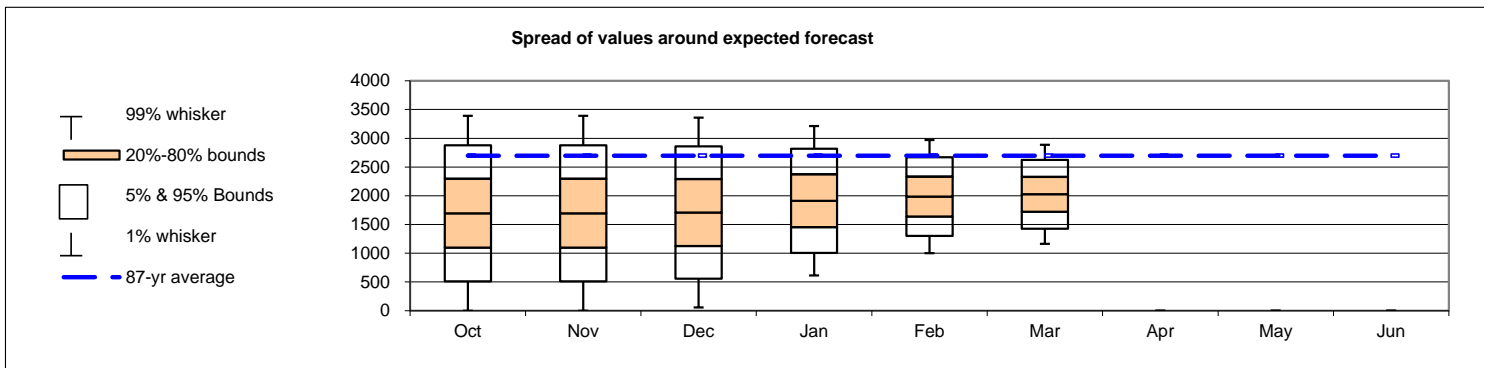


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	2025	KAF	2418	84%	2696	75%		
	May-Jul	1481	KAF	1771	84%	1972	75%		
31-Mar Flood Risk Management Space			567	KAF					
31-Mar Flood Risk Management Elevation			1567.1	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	1676	1676	1708	1913	1986	2025			
First-of-Month Elev	1518.2	1515.0	1516.1	1522.7	1528.2	1551.6			
Date >>	15-Dec	31-Dec	31-Jan	29-Feb	31-Mar	15-Apr	30-Apr	31-May	
FRM Space	--	700	700	727	718	567			
FRM Elevation	--	1558.2	1558.2	1556.4	1557.0	1567.1			



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	-1.60		220.73	-353.2
HQSI Cumulative Precip	Oct-Date	23.50	104%	23.39	549.7
Elk Butte SWE	1-Mar	30.8	105%	10.16	312.9
Hoodoo Basin SWE	1-Mar	29.6	91%	10.01	296.3
Sherwin SWE	1-Mar	5.5	63%	25.42	139.8
Lost Lake SWE	1-Mar	41.2	96%	6.99	288.0
Crater meadows SWE	1-Mar	37.9	107%	13.06	495.0
Intercept		1		296.75	296.8
1-Mar Forecast (KAF)				∑	2025.2

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-1.60								
Precipitation (in)	Oct								
Headquarters, ID	2.80	3.80	6.40	6.30	4.20	0.00	0.00		
Cumulative HQSI Data	2.80	6.60	13.00	19.30	23.50	23.50	23.50		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				14.6	25.8	30.8	0.0		
Cool Creek, ID				17.2	26.5				
Hoodoo Basin, MT				15.1	22.6	29.6	0.0	0.0	0.0
Sherwin, ID				4.6	7.3	5.5	0.0		
Shanghi Summit, ID								0.0	0.0
Lost Lake, ID				19.9	31.7	41.2	0.0	0.0	0.0
Hemlock, ID								0.0	0.0
Crater Meadows Mar						37.9	0.0		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				171	415	--	--	--	--

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), Wayne Jousma (509-527-7606), or Alfredo Rodriguez (509-527-7532).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
3. 15-Dec and 31-Dec Flood Management Space is fixed at 700 KAF.

Approval:

John J. Heitstuman P.E.
 Chief Hydrology Section
 Walla Walla District USACE

William D. Proctor, P.E.
 Ch., Hydrologic Engineering and Power Branch
 Columbia Basin Water Management Division