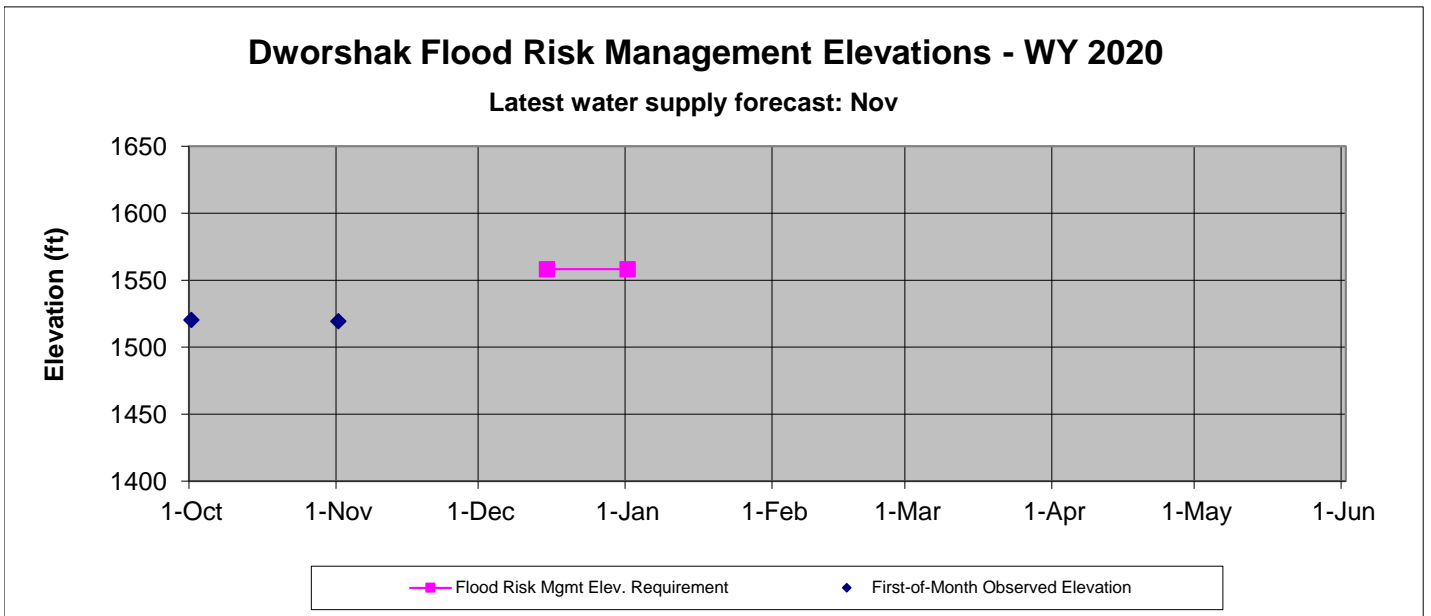
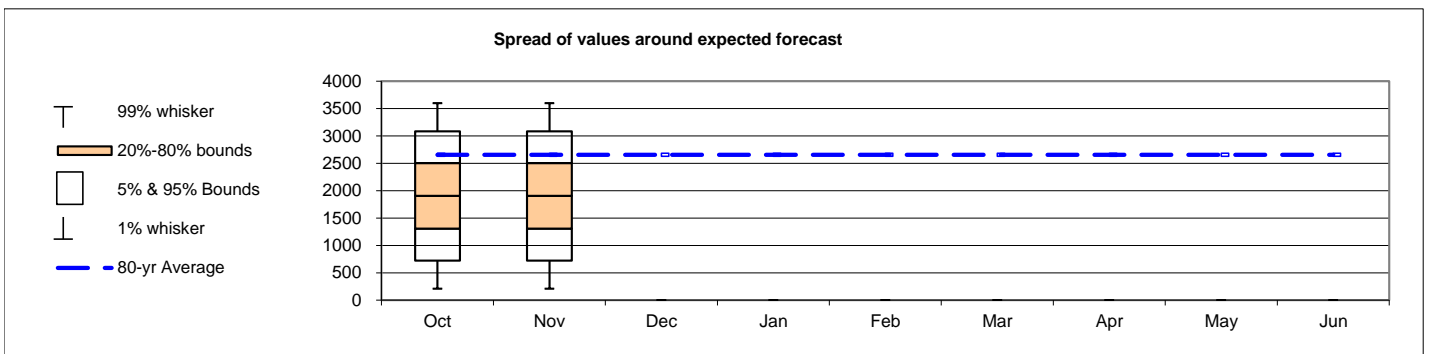


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average		
Most Probable Runoff Volume	Apr-Jul	1904	KAF	2438	78%	2655	72%		
	May-Jul	1393	KAF	1784	78%	1959	71%		
31-Dec Flood Risk Management Space		700	KAF						
31-Dec Flood Risk Management Elevation		1558.2	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							
First-of-Month Elev	1520.25	1519.32							
Date >>		15-Dec	31-Dec	31-Jan	29-Feb	31-Mar	15-Apr	30-Apr	31-May
FRM Space	--	700	700						
FRM Elevation	--	1558.23	1558.23						



Dworshak : November 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		569.47	-683.4
Intercept		1		2587.57	2587.6
1-Nov Forecast (KAF)				Σ	1904.2

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)									
Oct									
Headquarters, ID	3.30	--	--	--	--	--	--		
Cumulative HQSI Data	3.30	--	--	--	--	--	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				--	--	--	--		
Cool Creek, ID				--	--				
Hoodoo Basin, MT				--	--	--	--	--	--
Sherwin, ID				--	--	--	--		
Shanghi Summit, ID								--	--
Lost Lake, ID				--	--	--	--	--	--
Hemlock, ID								--	--
Crater Meadows Mar						--	--		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				--	--	--	--	--	--

- 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.
 - 15-Dec and 31-Dec Flood Management Space is fixed at 700 KAF.

Approval:

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

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