

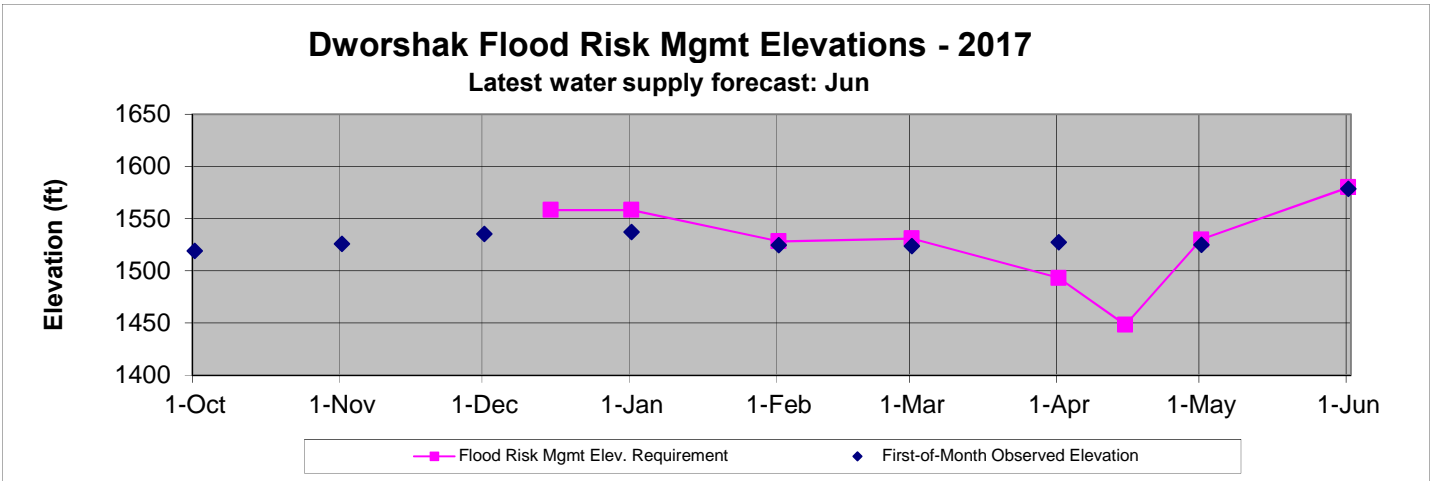
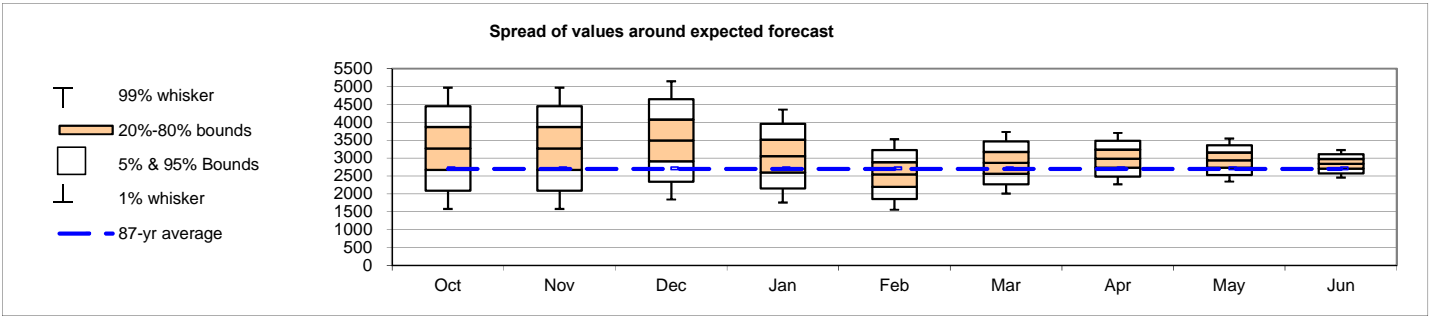
Dworshak : June Runoff Forecast & Flood Control Calculation

WY 2017

Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
	Apr-Jul	2838	KAF	2438	116%	2696	105%
	May-Jul	1945	KAF	1784	109%	1972	99%
	Jun-Jul	820	KAF	853	96%	926	89%

Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)									
Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Jul Runoff Forecast	3271	3271	3493	3055	2541	2867	2984	2941	2838
First-of-Month Elev	1519.1	1525.9	1535.4	1537.3	1524.5	1523.6	1527.5	1524.9	1578.6

Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	31-May	
FRM Space	--	700	700	1120	1082	1551	1986	1097	358.0
FRM Elevation	--	1558.2	1558.2	1528.3	1531.1	1493.1	1448.3	1530.0	1580



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Apr-Jul Runoff Forecast Calculation					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
Hoodoo Basin SWE	1-Jun	34.6	133%	8.21	284.1
Shanghi Summit SWE	1-Jun	0.0	0%	10.26	0.0
Lost Lake SWE	1-Jun	38.7	119%	6.14	237.6
Hemlock SWE	1-Jun	21.1	119%	7.57	159.7
Intercept		1		138.78	138.8
1-Jun Forecast (KAF)				Σ	820.2

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)									
Headquarters, ID	7.90	3.90	3.70	4.70	8.20	10.10	3.54		
Cumulative HQSI Data	7.90	11.80	15.50	20.20	28.40	38.50	42.04		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				14.8	20.3	32.1	35.8		
Cool Creek, ID				15.9	20.8				
Hoodoo Basin, MT				11.9	17.2	31.8	42.4	46.2	34.6
Sherwin, ID				6.5	8.5	10.2	4.8		
Shanghi Summit, ID								10.5	0.0
Lost Lake, ID				17.8	24.6	39.0	50.4	56.8	38.7
Hemlock, ID								49.7	21.1
Crater Meadows Mar						35.6	44.2		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				127	471	1242	893	1125	--

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), Wayne Jousma (509-527-7606), Amanda Connell (509-527-7632), or Alfredo Rodriguez (509-527-7532).
- 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.
Chief Hydrology Section
Walla Walla District USACE

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