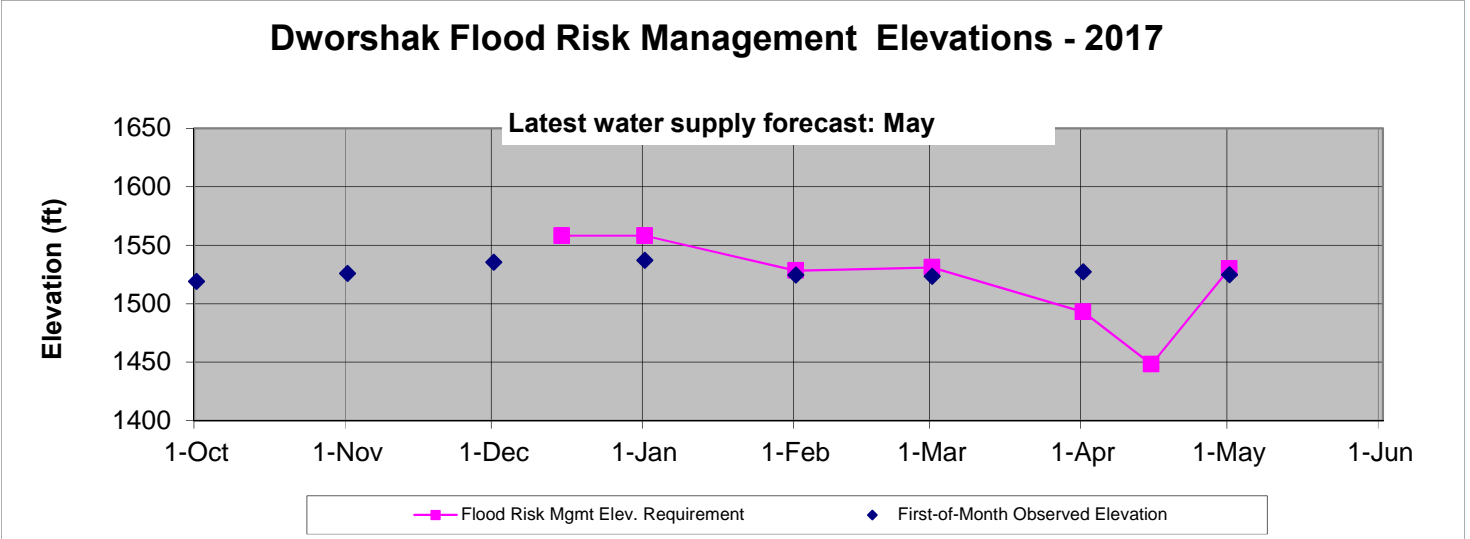
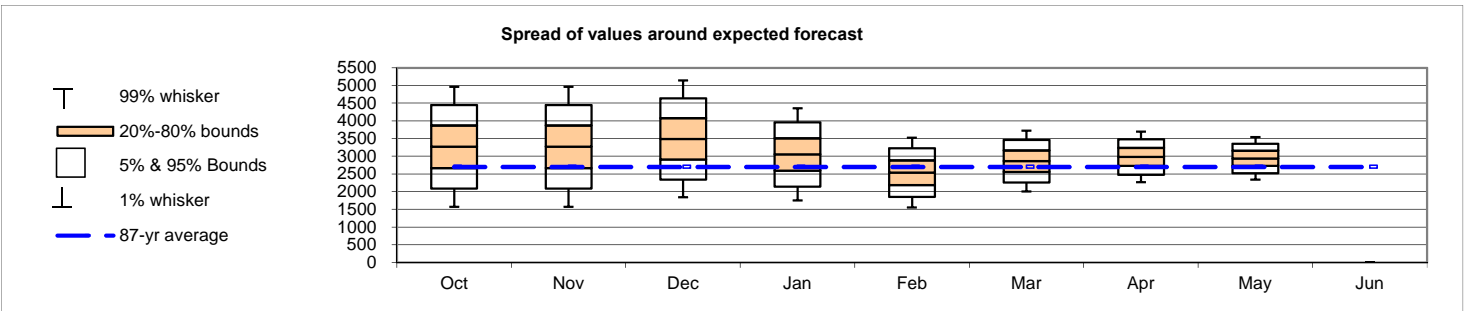


Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	2941	KAF	2438	121%	2696	109%
	May-Jul	2048	KAF	1784	115%	1972	104%

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	3271	3271	3493	3055	2541	2867	2984	2941	
First-of-Month Elev	1519.1	1525.9	1535.4	1537.3	1524.5	1523.6	1527.4	1524.9	

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
FRM Elevation	--	1558.2	1558.2	1528.3	1531.1	1493.1	1448.3	1530.0



## 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	1.20		122.04	146.4
Hoodoo Basin SWE	1-May	46.2	115%	11.71	541.0
Shanghi Summit SWE	1-May	10.5	76%	14.41	151.3
Lost Lake SWE	1-May	56.8	111%	9.67	549.3
Hemlock SWE	1-May	49.7	125%	11.58	575.5
Intercept		1		84.24	84.2
1-May Forecast (KAF)				$\Sigma$	2047.8

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	1.20								
<b>Precipitation (in)</b>	Oct								
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		
<b>Snow Water Equiv (First of Month values) (in)</b>									
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	--
Sherwin, ID				6.5	8.5	10.2	4.8		
Shanghi Summit, ID								10.5	--
Lost Lake, ID				17.8	24.6	39.0	50.4	56.8	--
Hemlock, ID								49.7	--
Crater Meadows Mar						35.6	44.2		
<b>Streamflow (End of Month) (kaf)</b>				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				127	471	1242	893	--	--

- 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:

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