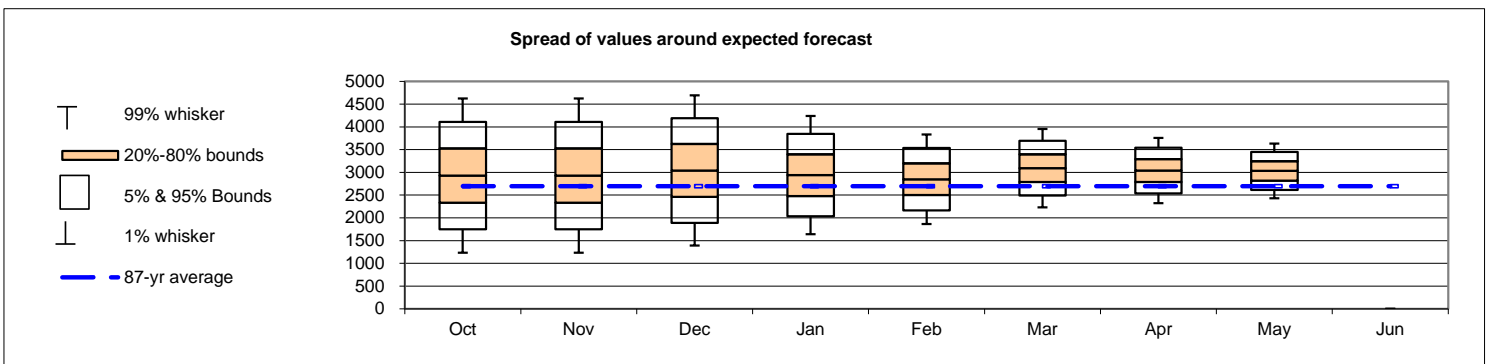


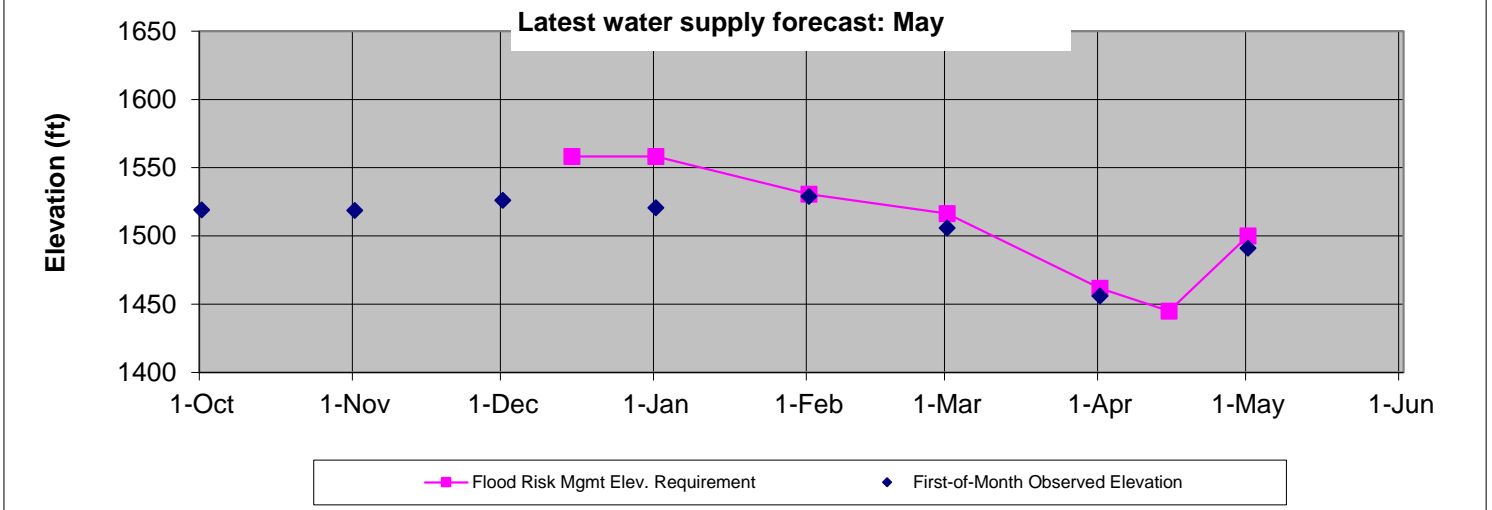
Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	3032	KAF	2438	124%	2696	112%
	May-Jul	2217	KAF	1784	124%	1972	112%

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	2929	2929	3043	2941	2849	3093	3040	3032	
First-of-Month Elev	1519.1	1518.7	1526.2	1520.7	1529.1	1506.0	1456.0	1491.1	

Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr	31-May
FRM Space	--	700	700	1090	1276	1863	2016	2016
FRM Elevation	--	1558.2	1558.2	1530.5	1516.5	1461.6	1445.0	1500.0



Dworshak Flood Risk Management Elevations - 2018



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	0.60		122.04	73.2
Hoodoo Basin SWE	1-May	49.7	123%	11.71	582.0
Shanghi Summit SWE	1-May	15.2	110%	14.41	219.0
Lost Lake SWE	1-May	65.6	128%	9.67	634.4
Hemlock SWE	1-May	53.9	135%	11.58	624.2
Intercept		1		84.24	84.2
1-May Forecast (KAF)				Σ	2217.0

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	0.60								
Precipitation (in)	Oct								
Headquarters, ID	3.65	6.20	6.10	4.50	7.00	3.10	--		
Cumulative HQSI Data	3.65	9.85	15.95	20.45	27.45	30.55	--		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				16.1	31.9	36.5	42.0		
Cool Creek, ID				18.9	32.0				
Hoodoo Basin, MT				18.7	29.5	39.8	43.6	49.7	--
Sherwin, ID				5.1	7.0	10.7	7.8		
Shanghi Summit, ID								15.2	--
Lost Lake, ID				22.3	38.0	52.6	59.9	65.6	--
Hemlock, ID								53.9	--
Crater Meadows Mar						46.9	53.1		
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				316	520	358	815	--	--

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), Amanda Morelos (509-527-7632), 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:

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