

Dworshak : June Runoff Forecast & Flood Risk Management Calculation

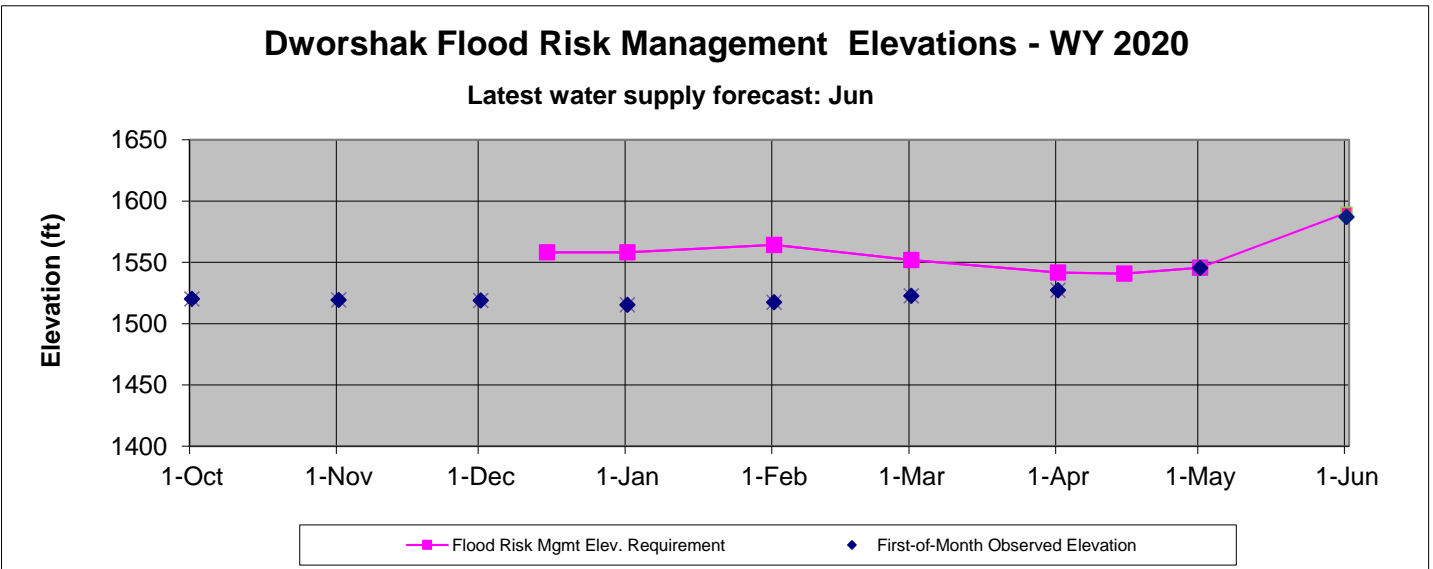
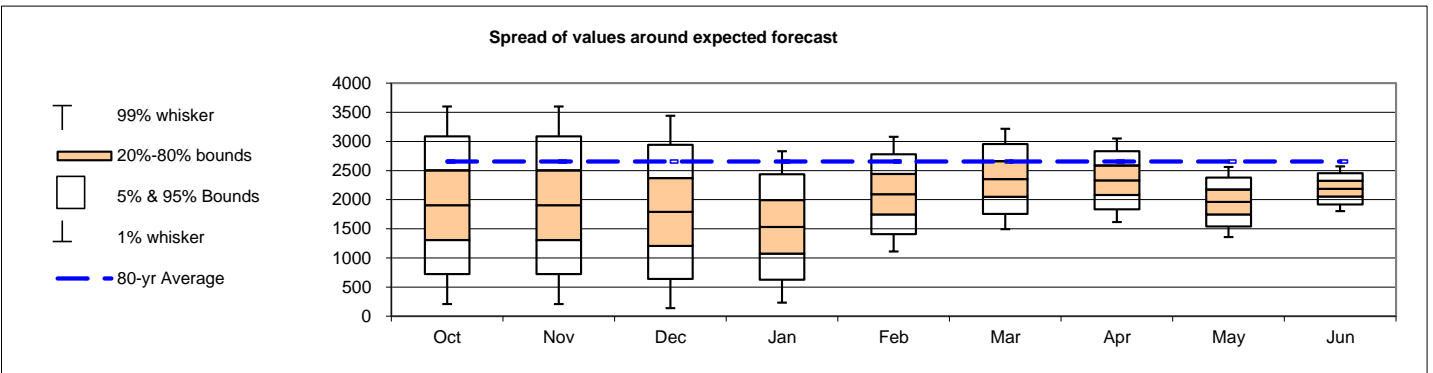
WY 2020

Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
	Apr-Jul	2187	KAF	2438	90%	2655	82%
	May-Jul	1669	KAF	1784	94%	1959	85%
	Jun-Jul	611	KAF	853	72%	914	67%

Seasonal Flood Risk Management (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	1904	1904	1789	1532	2095	2355	2333	1960	2187
First-of-Month Elev	1520.3	1519.3	1519.0	1515.4	1517.4	1522.7	1527.2	1545.4	1587.0

Date >>	15-Dec	31-Dec	31-Jan	29-Feb	31-Mar	15-Apr	30-Apr	31-May	
FRM Space	--	700	700	610	793	936	950	883	176
FRM Elevation	--	1558.2	1558.2	1564.3	1551.9	1541.7	1540.8	1545.6	1590.5



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Apr-Jul Runoff Forecast Calculation					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Runoff (KAF)
		A		B	=A*B
Hoodoo Basin SWE	1-Jun	27.7	107%	8.21	227.4
Shanghi Summit SWE	1-Jun	0.0	0%	10.26	0.0
Lost Lake SWE	1-Jun	33.3	102%	6.14	204.5
Hemlock SWE	1-Jun	5.3	30%	7.57	40.1
Intercept		1		138.78	138.8
1-Jun Forecast (KAF)				Σ	610.8

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	1.90	3.50	7.60	4.10	2.30	1.90		
Cumulative HQSI Data	3.30	5.20	8.70	16.30	20.40	22.70	24.60		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				8.8	26.2	35.2	40.0		
Cool Creek, ID				10.2	28.5				
Hoodoo Basin, MT				9.4	25.1	33.1	36.9	41.0	27.7
Sherwin, ID				2.3	7.9	10.5	6.4		
Shanghi Summit, ID								6.8	0.0
Lost Lake, ID				10.9	33.3	46.1	52.5	50.4	33.3
Hemlock, ID								37.9	5.3
Crater Meadows Mar						43.5	49.7		
Streamflow (End of Month) (kaf)									
				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				138	160	209	518	1058	--

Notes:

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Alfredo Rodriguez (509-527-7532), or Jon Roberts (509-527-7518).

Approval:

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