

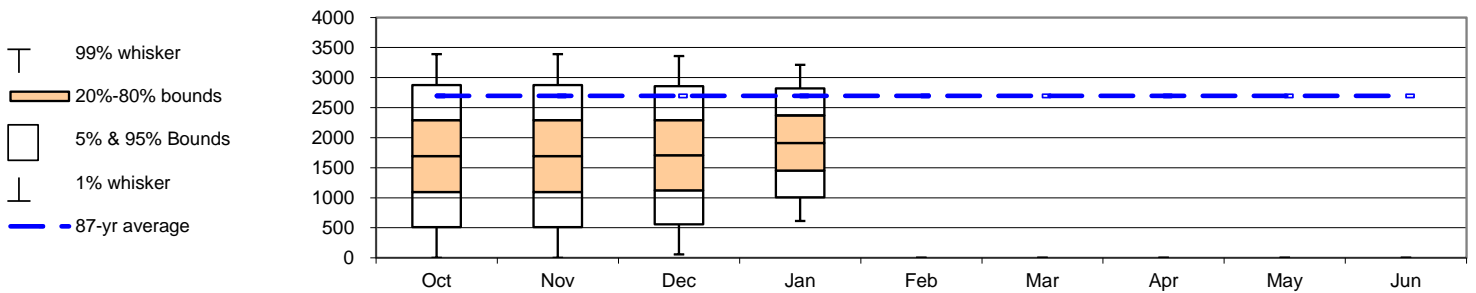
Runoff Forecast and Flood Risk Management (FRM)				1981-2010 Average	Percent of 30yr Average	1929-2008 Average	Percent of Average
Most Probable Runoff Volume	Apr-Jul	1913	KAF	2418	79%	2696	71%
	May-Jul	1340	KAF	1771	76%	1972	68%
31-Jan Flood Risk Management Space		727	KAF				
31-Jan Flood Risk Management Elevation		1556.4	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	1676	1676	1708	1913					
First-of-Month Elev	1518.2	1515.0	1516.1	1522.7					

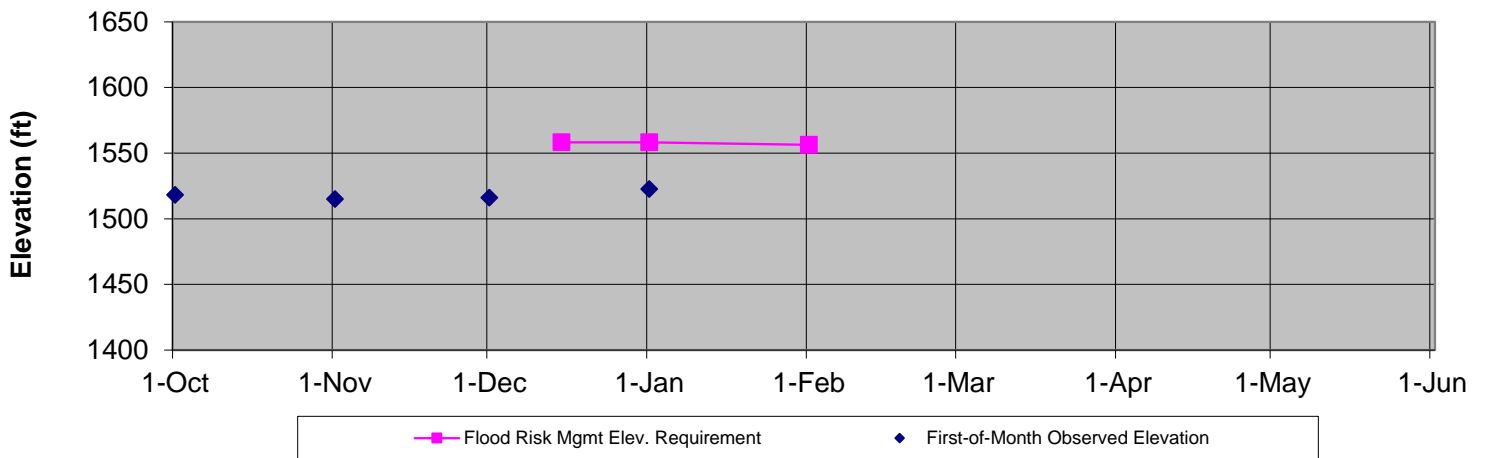
Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr
FRM Space	--	700	727				
FRM Elevation	--	1558.2	1556.4				

Spread of values around expected forecast



Dworshak Flood Risk Management Elevations - 2016

Latest water supply forecast: Jan



Dworshak : January Runoff Forecast & Flood Risk Management Calculation

Apr-Jul Runoff Forecast Calculation					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Runoff (KAF)
		A		B	=A*B
SOI	Sep	-1.60		355.71	-569.1
HQSI Cumulative Precip	Oct-Date	13.00	93%	48.12	625.6
Elk Butte SWE	1-Jan	14.60	99%	6.25	91.3
Cool Creek SWE	1-Jan	17.2	95%	9.96	171.3
Hoodoo Basin SWE	1-Jan	15.1	89%	12.22	184.5
Sherwin SWE	1-Jan	4.6	101%	44.69	205.6
Lost Lake SWE	1-Jan	19.9	87%	4.24	84.4
Intercept		1		1119.86	1119.9
1-Jan Forecast (KAF)					∑ 1913.3

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
Climate (Stdzd SOI)									
September SOI	-1.60								
Precipitation (in)	Oct								
Headquarters, ID	2.80	3.80	6.40	0.00	0.00	0.00	0.00		
Cumulative HQSI Data	2.80	6.60	13.00	13.00	13.00	13.00	13.00		
Snow Water Equiv (First of Month values) (in)									
Elk Butte, ID				14.6	0.0	0.0	0.0		
Cool Creek, ID				17.2	0.0				
Hoodoo Basin, MT				15.1	0.0	0.0	0.0	0.0	0.0
Sherwin, ID				4.6	0.0	0.0	0.0		
Shanghi Summit, ID								0.0	0.0
Lost Lake, ID				19.9	0.0	0.0	0.0	0.0	0.0
Hemlock, ID								0.0	0.0
Crater Meadows Mar						0.0	0.0		
Streamflow (End of Month) (kaf)									
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun
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Notes:

1. 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), or Alfredo Rodriguez (509-527-7532).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
3. 15-Dec and 31-Dec Flood Management Space is fixed at 700 KAF.

Approval:

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