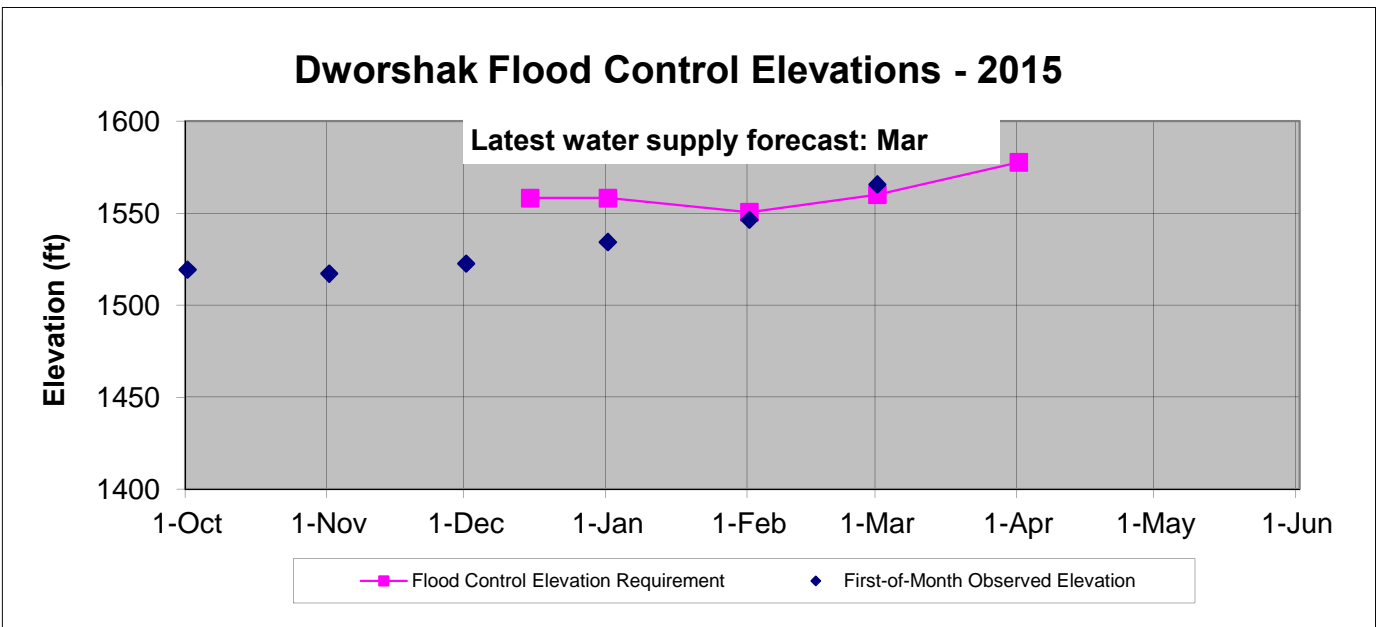
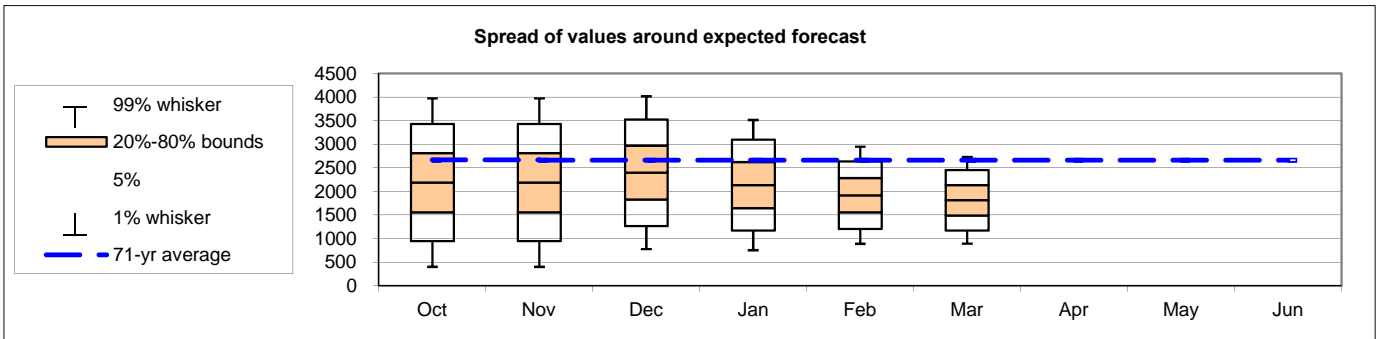


# Dworshak : March Runoff Forecast & Flood Control Calculation

WY 2015

Runoff Forecast and Flood Control				1981-2010 Average	Percent of Average	1929-2010 Average	Percent of Average		
<b>Most Probable Runoff Volume</b>	<b>Apr-Jul</b>	<b>1815</b>	<b>KAF</b>	2438	74%	2663	68%		
	<b>May-Jul</b>	<b>1331</b>	<b>KAF</b>	1784	75%	1953	68%		
<b>31-Mar Flood Control Space</b>		<b>397</b>	<b>KAF</b>						
<b>31-Mar Flood Control Elevation</b>		<b>1577.7</b>	<b>ft</b>						
Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)									
Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Apr-Jul Runoff Forecast</b>	2189	2189	2398	2136	1922	1815			
<b>First-of-Month Elev</b>	1519.4	1517.2	1522.7	1534.4	1546.5	1565.7			
Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr		
<b>Flood Control Space</b>	--	700	700	811	674	397			
<b>Flood Control Elevation</b>	--	1558.2	1558.2	1550.6	1560.0	1577.7			



- Notes:
1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Jeremy Giovando (509 527 7053), or Steve Hall (509 527 7550).
  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 control space is fixed at 700 KAF.

# Dworshak : March Runoff Forecast & Flood Control Calculation

Apr-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	-0.70		220.73	-154.5
HQSI Cumulative Precip	Oct-Date	24.90	114%	23.39	582.4
Elk Butte SWE	1-Mar	18.5	54%	10.16	188.0
Hoodoo Basin SWE	1-Mar	24.2	63%	10.01	242.2
Sherwin SWE	1-Mar	0.3	3%	25.42	7.6
Lost Lake SWE	1-Mar	28.2	56%	6.99	197.1
Crater meadows SWE	1-Mar	34.9	90%	13.06	455.8
Intercept		1		296.75	296.8
1-Mar Forecast (KAF)				Σ	1815.4

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	1-Jul
<b>Climate (Stdzd SOI)</b>										
September SOI	-0.70									
<b>Precipitation (in)</b>										
Oct										
Headquarters, ID	2.60	7.10	5.50	5.30	4.40	--	--			
Cumulative HQSI Data	2.60	9.70	15.20	20.50	24.90	--	--			
<b>Snow Water Equiv (First of Month values) (in)</b>										
Elk Butte, ID				10.5	17.3	18.5	--			
Cool Creek, ID				16.7	23.5					
Hoodoo Basin, MT				14.0	20.2	24.2	--	--	--	
Sherwin, ID				1.4	3.4	0.3	--			
Shanghi Summit, ID								--	--	
Lost Lake, ID				16.1	24.1	28.2	--	--	--	
Hemlock, ID								--	--	
Crater Meadows Mar						34.9	--			
<b>Streamflow (End of Month) (kaf)</b>										
Dworshak Inflow				Jan	Feb	Mar	Apr	May	Jun	Jul
				260	584	--	--	--	--	--

Approval:

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 Ch., Hydrologic Engineering and Power Branch  
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