

# Dworshak : June Runoff Forecast & Flood Control Calculation

WY 2007

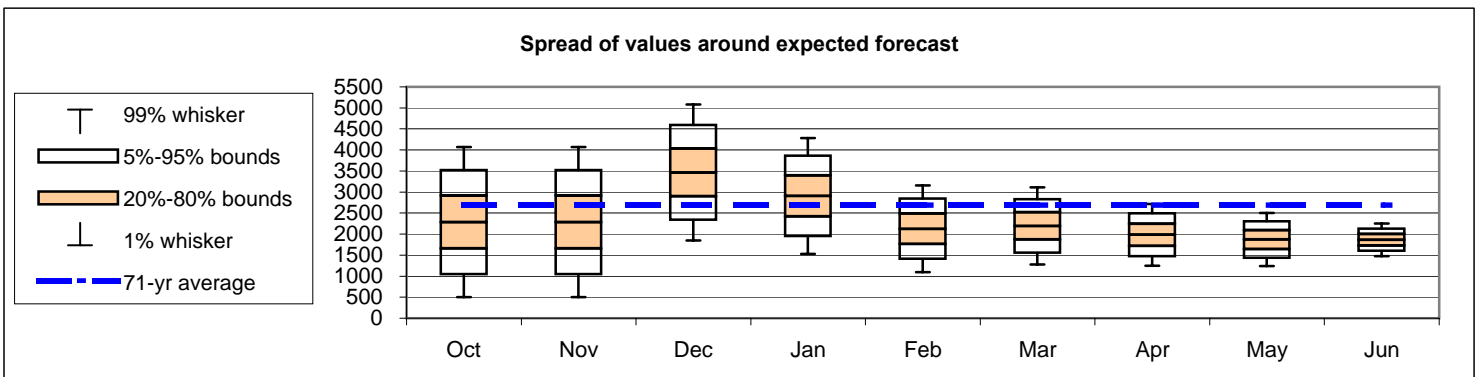
## Runoff Forecast and Flood Control

<b>Most Probable Runoff Volume</b>	<b>Apr-Jul</b>	<b>1864</b>	<b>KAF</b>
	<b>May-Jul</b>	<b>1295</b>	<b>KAF</b>
	<b>Jun-Jul</b>	<b>517</b>	<b>KAF</b>

1929-1999 Average	Percent of Average
2683	69%
1980	65%
924	56%

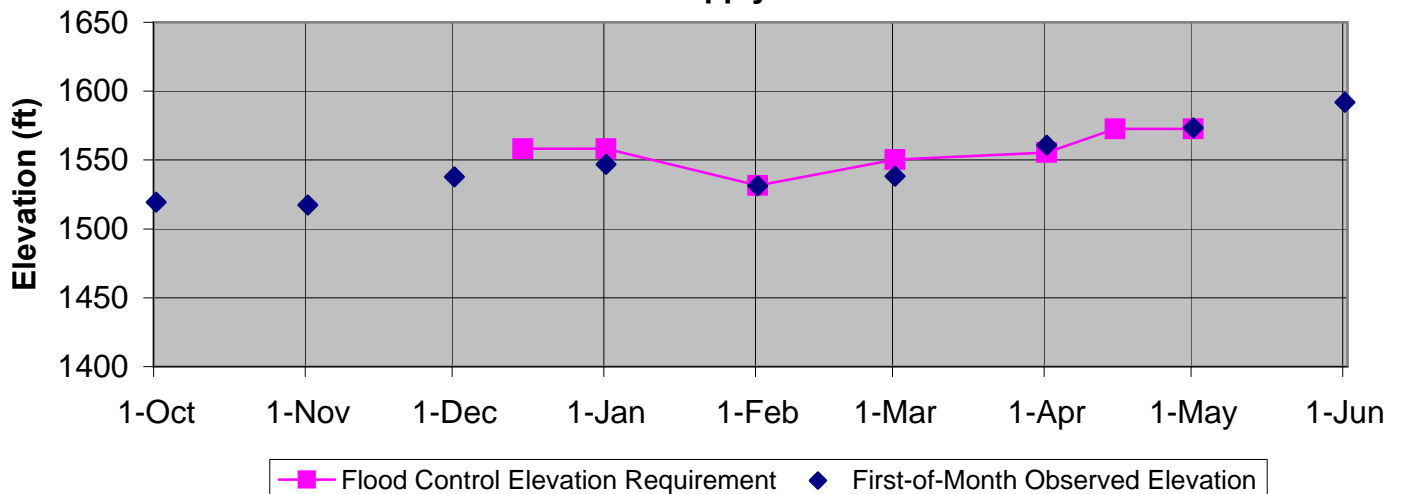
## Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)

Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>Apr-Jul Runoff Forecast</b>	2283	2283	3465	2905	2126	2192	1982	1868	1864
<b>First-of-Month Elev</b>	1519.51	1517.31	1537.71	1546.94	1531.2	1538.2	1560.67	1573.42	1591.9
<b>Date &gt;&gt;</b>		<b>15-Dec</b>	<b>31-Dec</b>	<b>31-Jan</b>	<b>28-Feb</b>	<b>31-Mar</b>	<b>15-Apr</b>	<b>30-Apr</b>	
<b>Flood Control Space</b>	--	700	700	1078	814	742	479	479	
<b>Flood Control Elevation</b>	--	1558.2	1558.2	1531.4	1550.4	1555.4	1572.6	1572.6	



## Dworshak Flood Control Elevations - 2007

Latest water supply forecast: Jun



### Notes:

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Ken Soderlind (503 808-3950), Patti Low (503 808-3958), John McCoskery (503 808-3951), or Arun Mylvahanan (503-808-3961).
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 : June Runoff Forecast & Flood Control Calculation

Jun-Jul Runoff Forecast Calculation:					
Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
Elk Butte SWE	1-Jun	1.00	7%	6.82	6.8
Hemlock Butte SWE	1-Jun	6.70	26%	6.20	41.5
Hoodoo Basin SWE	1-Jun	17.50	62%	6.42	112.4
Lost Lake SWE	1-Jun	21.90	51%	4.68	102.6
Shanghi Summit SWE	1-May	7.60	41%	7.80	59.2
Intercept		1		194.87	194.9
1-Jun Forecast (KAF)				Σ	517.5

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun
<b>Climate (Stdzd SOI)</b>									
September SOI	-0.70								
<b>Precipitation (monthly depth, inches)</b>									
Headquarters, ID		10.79	4.36						
<b>Snow Water Equiv (first of month SWE depth, inches)</b>									
Elk Butte, ID				14.4	22.4	29.6	29.4	24.0	1.0
Hemlock Butte, ID				19.0	26.6	37.1	40.2	35.5	6.7
Hoodoo Basin, MT				18.2	24.6	31.7	34.5	33.9	17.5
Pierce RS, ID				3.0	6.0	7.9			
Shanghi Summit, ID							19.1	7.6	
Lost Lake, ID								44.7	21.9
<b>Streamflow (monthly volume, KAF)</b>				Jan	Feb	Mar	Apr	May	Jun
Dworshak Inflow				144	217	577	569	778	--