

DWORSHAK APRIL-JULY INFLOW FORECAST  
as of 1200 8 Feb 2003  
DATA START DATE = 0400 1 Oct 2002

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	8.4	15.4					
HEMI HEMLOCK	-	-	12.2	22.7					
HOOM HOODOO BASIN	-	-	12.0	20.1					
PIRI PIERCE RG S	-	-	1.7	3.9					
SHAI SHANGHI SUM	-	-	-	-					
LSLI LOST LAKE	-	-	-	-					
EKRI ELK RIVER 1S	-	-	4.1	-					
DWR AVERAGE KAF	-	-	-	265.0					
ASOI July-Aug SOI	-2.3	-	-	-					
SSOI July-Sep SOI	-	-3.0	-	-					
OSOI July-Oct SOI	-	-	-3.7	-					
NSOI July-Nov SOI	-	-	-	-4.3					
DSOI July-Dec SOI	-	-	-	-	-5.9				
DWORSHAK FC SPACE				670	599				
DWORSHAK FC ELEV				1560.3	1565.0				
DWORSHAK FOM ELEV	1518.5	1516.3	1516.2	1516.7	1529.7				

- = data not used for that month's runoff forecast equation  
ELBI = ELK BUTTE ACCUMULATED SWE IN INCHES (snotel) elev 5550  
HEMI = HEMLOCK ACCUMULATED SWE IN INCHES (snotel) elev 5810  
HOOM = HOODOO BASIN ACCUMULATED SWE IN INCHES (snotel) elev 6050  
PIRI = PIERCE RANGER STATION ACCUMULATED SWE IN INCHES (snow course)  
LSLI = LOST LAKE ACCUMULATED SWE IN INCHES (snotel) elev 6110  
EKRI = ELK RIVER 1S ACCUMULATED MONTHLY PRECIP IN INCHES elev 2910  
DWRI = MONTHLY DWORSHAK INFLOW (KAF)  
JD = JANUARY DWORSHAK INFLOW (KAF)  
FD = FEBRUARY DWORSHAK INFLOW (KAF)  
MD = MARCH DWORSHAK INFLOW (KAF)  
AD = APRIL DWORSHAK INFLOW (KAF)  
FOM = FIRST OF MONTH

FORECAST EQUATIONS:

01OCT=276.4\*ASOI+2690  
01NOV=191.5\*SSOI+2667  
01DEC=144.2\*OSOI+2687  
01JAN=12.7\*ELBI+15.3\*HEMI+13.3\*HOOM+63.3\*PIRI+89.7\*NSOI+17.1\*EKRI+1539  
01FEB=18.6\*ELBI+15.6\*HEMI+18.5\*HOOM+44.1\*PIRI+20.3\*DSOI+.8\*JD+540  
01MAR=14.2\*ELBI+14.7\*HEMI+15.5\*HOOM+33.4\*PIRI+21.8\*DSOI+.9\*JD+.2\*FD+369  
01APR=15.1\*ELBI+15.4\*HEMI+14.6\*HOOM+15.9\*SHAI+22.6\*DSOI+.8\*JD+.3\*FD+.3\*MD-168  
01MAY=14.1\*ELBI+12.3\*HEMI+12.6\*HOOM+13.9\*SHAI+.3\*AD-201  
01JUN=8.2\*ELBI+7.3\*HEMI+8.4\*HOOM+5.7\*LSLI+183

April-July normal inflow for the 1971-2000 period = 2645 KAF

	% Normal	KAF	% Chance that OBSERVED will be > than given value							
			1%	5%	20%	50%	80%	95%	99%	
01Oct April-July Forecast	78	2054	3761	3255	2669	2054	1439	853	348	
01Nov April-July Forecast	79	2093	3719	3237	2679	2093	1506	948	466	
01Dec April-July Forecast	81	2153	3809	3319	2750	2153	1557	988	498	
01Jan April-July Forecast	67	1784	3104	2714	2260	1784	1308	855	464	
01Feb April-July Forecast	69	1817	2990	2643	2240	1817	1394	991	643	
01Mar April-July Forecast										
01Apr April-July Forecast										
01May April-July Forecast										
01Jun April-July Forecast										

The given forecast values are to be considered the Corps of Engineers Official Forecast for Dworshak. If you have questions on this report, Contact Ken Soderlind, 503-808-3950, Chan Modini, 503-808-3958, Arun Mylvahanan, 503-808-3961

Footnote:

1/ Forecasts for months other than the current month may be different than the official forecast released earlier. Differences are due to updated streamflow, precip, or snow data.