

DWORSHAK APRIL-JULY INFLOW FORECAST  
as of 1200 4 Apr 2002  
DATA START DATE = 0400 1 Oct 2001

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	19.6	34.9	41.8	52.9			
HEMI HEMLOCK	-	-	20.4	33.4	40.8	54.4			
HOOM HOODOO BASIN	-	-	20.0	32.9	41.4	55.4			
PIRI PIERCE RG S	-	-	6.0	10.6	11.6	-			
SHAI SHANGHI SUM	-	-	-	-	-	39.4			
LSLI LOST LAKE	-	-	-	-	-	-			
EKRI ELK RIVER 1S	-	-	5.9	-	-	-			
DWR AVERAGE KAF	-	-	-	205.0	140.0	305.0			
ASOI July-Aug SOI	-1.4	-	-	-	-	-			
SSOI July-Sep SOI	-	-1.2	-	-	-	-			
OSOI July-Oct SOI	-	-	-1.6	-	-	-			
NSOI July-Nov SOI	-	-	-	-0.9	-	-			
DSOI July-Dec SOI	-	-	-	-	-2.1	-2.1	-2.1		
DWORSHAK FC SPACE				1016	1310	1408	1620		
DWORSHAK FC ELEV				1536.0	1513.7	1505.7	1486.5		
DWORSHAK FOM ELEV	1516.7	1517.6	1521.5	1523.7	1532.6	1513.6	1514.6		

- = 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 Average inflow 2700 KAF

			% Chance that OBSERVED will be > than given value							
			1%	5%	20%	50%	80%	95%	99%	
01Oct	April-July Forecast	2303	KAF	4010	3504	2918	2303	1688	1102	597
01Nov	April-July Forecast	2437	KAF	4064	3582	3024	2437	1851	1292	811
01Dec	April-July Forecast	2456	KAF	4112	3621	3053	2456	1860	1291	801
01Jan	April-July Forecast	2766	KAF	4086	3695	3242	2766	2290	1837	1446
01Feb	April-July Forecast	2908	KAF	4081	3734	3331	2908	2485	2082	1734
01Mar	April-July Forecast	2758	KAF	3741	3450	3113	2758	2404	2066	1775
01Apr	April-July Forecast	3154	KAF	4001	3750	3459	3154	2849	2558	2307
01May	April-July Forecast		KAF							
01Jun	April-July Forecast		KAF							

The given forecast values are to be considered the Corps of Engineers Official Forecast for Dworshak. If you have questions on this report, contact Patrick O'Brien 503-808-3961: patrick.s.o'brien@usace.army.mil or Chan Modini 503-808-3958: george.c.modini@usace.army.mil

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.