

DWORSHAK APRIL-JULY INFLOW FORECAST  
 as of 1200 12 Nov 2002  
 DATA START DATE = 0400 1 Oct 2002

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-							
HEMI HEMLOCK	-	-							
HOOM HOODOO BASIN	-	-							
PIRI PIERCE RG S	-	-							
SHAI SHANGHI SUM	-	-							
LSLI LOST LAKE	-	-							
EKRI ELK RIVER 1S	-	-							
DWR AVERAGE KAF	-	-							
ASOI July-Aug SOI	-2.3	-							
SSOI July-Sep SOI	-	-3.0							
OSOI July-Oct SOI	-	-							
NSOI July-Nov SOI	-	-							
DSOI July-Dec SOI	-	-							
DWORSHAK FC SPACE				782					
DWORSHAK FC ELEV				1552.6					
DWORSHAK FOM ELEV	1518.4	1516.3							

- = data not used in 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	2645	KAF	% Chance that OBSERVED will be > than given value						
			1%	5%	20%	50%	80%	95%	99%
01Oct April-July Forecast	2054	KAF	3761	3255	2669	2054	1439	853	348
01Nov April-July Forecast	2093	KAF	3719	3237	2679	2093	1506	948	466
01Dec April-July Forecast		KAF							
01Jan April-July Forecast		KAF							
01Feb April-July Forecast		KAF							
01Mar April-July Forecast		KAF							
01Apr April-July Forecast		KAF							
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 Ken Soderlind at 503-808-3950: kenneth.r.soderlind@usace.army.mil or Chan Modini 503-808-3958: george.c.modini@usace.army.mil or Arun Mylvahanan 503-808-3961: arun.mylvahanan@usace.army.mil