

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 7 Dec 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	-	-	-3.7	-					
NSOI July-Nov SOI	-	-	-	-					
DSOI July-Dec SOI	-	-	-	-					
DWORSHAK FC SPACE				809					
DWORSHAK FC ELEV				1550.7					
DWORSHAK FOM ELEV	1518.4	1516.2	1516.7						

- = 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	2700	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	2153	KAF	3809	3319	2750	2153	1557	988	498
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 503-808-3950: kenneth.r.soderlind@usace.army.mil or Chan Modini 503-808-3958: george.c.modini@usace.army.mil