

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 7 Mar 2001

DATA START DATE = 0400 1 Oct 2000

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	9.5	13.0	18.2				
HEMI HEMLOCK	-	-	13.5	17.8	23.6				
HOOM HOODOO BASIN	-	-	10.0	12.5	17.5				
PIRI PIERCE RG S	-	-	4.8	7.8	9.2				
SHAI SHANGHI SUM	-	-	-	-	-				
LSLI LOST LAKE	-	-	-	-	-				
EKRI ELK RIVER 1S	-	-	3.8	-	-				
DWR AVERAGE KAF	-	-	-	64.0	72.0				
ASOI July-Aug SOI	0.0	-	-	-	-	-			
SSOI July-Sep SOI	-	1.0	-	-	-	-			
OSOI July-Oct SOI	-	-	2.0	-	-	-			
NSOI July-Nov SOI	-	-	-	4.0	-	-			
DSOI July-Dec SOI	-	-	-	-	4.7	4.7			
DWORSHAK FC SPACE				1001	580	329			
DWORSHAK FC ELEV				1537.1	1566.3	1581.8			
DWORSHAK EOM ELEV	1519.2	1519.8	1519.0	1517.0	1507.5	1501.9			

- = 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 ELEVATION

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	2690	KAF	4396	3891	3305	2690	2075	1489	984
01Nov	April-July Forecast	2859	KAF	4485	4003	3445	2859	2272	1714	1232
01Dec	April-July Forecast	2975	KAF	4631	4140	3572	2975	2379	1810	1320
01Jan	April-July Forecast	2727	KAF	4047	3656	3203	2727	2251	1797	1406
01Feb	April-July Forecast	1781	KAF	2955	2607	2204	1781	1358	955	608
01Mar	April-July Forecast	1727	KAF	2711	2419	2082	1727	1373	1035	744
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 Chan Modini 503-808-3958: george.c.modini@usace.army.mil or Russ Morrow 503-808-3951: russell.l.morrow@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.