

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 4 May 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	21.3	21.2		
HEMI HEMLOCK	-	-	13.5	17.8	23.6	30.8	31.2		
HOOM HOODOO BASIN	-	-	10.0	12.5	17.5	21.7	25.3		
PIRI PIERCE RG S	-	-	4.8	7.8	9.2	-	-		
SHAI SHANGHI SUM	-	-	-	-	-	17.9	13.4		
LSLI LOST LAKE	-	-	-	-	-	-	-		
EKRI ELK RIVER 1S	-	-	3.8	-	-	-	-		
DWR AVERAGE KAF	-	-	-	64.0	72.0	214.0	343.0		
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	50		
DWORSHAK FC ELEV				1537.1	1566.3	1581.8	1597.4		
DWORSHAK FOM ELEV	1519.2	1519.8	1519.0	1517.0	1511.0	1501.9	1513.0	1533.9	

- = 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	1473	KAF	2320	2069	1778	1473	1167	876	626
01May	April-July Forecast	1433	KAF	2260	2015	1731	1433	1134	850	605
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.