

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 6 May 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	49.8		
HEMI HEMLOCK	-	-	20.4	33.4	40.8	54.4	53.1		
HOOM HOODOO BASIN	-	-	20.0	32.9	41.4	55.4	57.7		
PIRI PIERCE RG S	-	-	6.0	10.6	11.6	-	-		
SHAI SHANGHI SUM	-	-	-	-	-	39.4	28.6		
LSLI LOST LAKE	-	-	-	-	-	-	-		
EKRI ELK RIVER 1S	-	-	5.9	-	-	-	-		
DWR AVERAGE KAF	-	-	-	205.0	140.0	305.0	878.0		
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	-		
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	1513.7	

- = 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	3420	KAF	4248	4003	3719	3420	3122	2838	2592
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.