

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 01 June 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	34.8	
HEMI HEMLOCK	-	-	20.4	33.4	40.8	54.4	53.1	20.1	
HOOM HOODOO BASIN	-	-	20.0	32.9	41.4	55.4	57.7	51.3	
PIRI PIERCE RG S	-	-	6.0	10.6	11.6	-	-	-	
SHAI SHANGHI SUM	-	-	-	-	-	39.4	28.6	-	
LSLI LOST LAKE	-	-	-	-	-	-	-	65.7	
EKRI ELK RIVER 1S	-	-	5.9	-	-	-	-	-	
DWR AVERAGE KAF	-	-	-	205.0	140.0	305.0	878.0	1189.0	
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	1558.4

- = data not used for that month's runoff forecast equation

ELBI = ELK BUTTE ACCUMULATED SWE IN INCHES (snotel) elev 555(

HEMI = HEMLOCK ACCUMULATED SWE IN INCHES (snotel) elev 581(

HOOM = HOODOO BASIN ACCUMULATED SWE IN INCHES (snotel) elev 605(

PIRI = PIERCE RANGER STATION ACCUMULATED SWE IN INCHES (snow course)

LSLI = LOST LAKE ACCUMULATED SWE IN INCHES (snotel) elev 611(

EKRI = ELK RIVER 1S ACCUMULATED MONTHLY PRECIP IN INCHES elev 291(

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+153(

01FEB=18.6*ELBI+15.6*HEMI+18.5*HOOM+44.1*PIRI+20.3*DSOI+.8*JD+54(

01MAR=14.2*ELBI+14.7*HEMI+15.5*HOOM+33.4*PIRI+21.8*DSOI+.9*JD+.2*FD+36(

01APR=15.1*ELBI+15.4*HEMI+14.6*HOOM+15.9*SHAI+22.6*DSOI+.8*JD+.3*FD+.3*MD-16(

01MAY=14.1*ELBI+12.3*HEMI+12.6*HOOM+13.9*SHAI+.3*AD-20(

01JUN=8.2*ELBI+7.3*HEMI+8.4*HOOM+5.7*LSLI+18(

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	3488	KAF	4200	3989	3744	3488	3231	2986	2775

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.