

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 01 May 2003
DATA START DATE = 0400 1 Oct 2002

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	8.4	15.4	20.6	34.2	28.3		
HEMI HEMLOCK	-	-	12.2	22.7	30.4	45.3	42.8		
HOOM HOODOO BASIN	-	-	12.0	20.1	23.4	39.6	39.8		
PIRI PIERCE RG S	-	-	1.7	3.9	3.9	-	-		
SHAI SHANGHI SUM	-	-	-	-	-	20.2	12.7		
LSLI LOST LAKE	-	-	-	-	-	-	-		
EKRI ELK RIVER 1S	-	-	4.1	-	-	-	-		
DWR AVERAGE KAF	-	-	-	265.0	393.0	603.0	722.0		
ASOI July-Aug SOI	-2.3	-	-	-	-	-	-		
SSOI July-Sep SOI	-	-3.0	-	-	-	-	-		
OSOI July-Oct SOI	-	-	-3.7	-	-	-	-		
NSOI July-Nov SOI	-	-	-	-4.3	-	-	-		
DSOI July-Dec SOI	-	-	-	-	-5.9	-5.9	-		
DWORSHAK FC SPACE				670	599	377	934		
DWORSHAK FC ELEV				1560.3	1565.0	1578.9	1541.9		
DWORSHAK FOM ELEV	1518.5	1516.3	1516.2	1516.7	1529.7	1552.2	1580.5	1568.7	

- = 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 normal inflow for the 1971-2000 period = 2645 KAF

% Chance that OBSERVED will be > than given value

	% Norm:	KAF	1%	5%	20%	50%	80%	95%	99%
01Oct April-July Forecast	78	2054	3761	3255	2669	2054	1439	853	348
01Nov April-July Forecast	79	2093	3719	3237	2679	2093	1506	948	466
01Dec April-July Forecast	81	2153	3809	3319	2750	2153	1557	988	498
01Jan April-July Forecast	67	1784	3104	2714	2260	1784	1308	855	464
01Feb April-July Forecast	69	1817	2990	2643	2240	1817	1394	991	643
01Mar April-July Forecast	68	1790	2773	2482	2144	1790	1435	1098	807
01Apr April-July Forecast	88	2323	3170	2919	2628	2323	2018	1727	1476
01May April-July Forecast	89	2341	3169	2924	2640	2341	2043	1758	1513
01Jun April-July Forecast									

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, Chan Modini, 503-808-3958, Arun Mylvahanan, 503-808-3961
 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.