

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 02 Jun 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	8.4	
HEMI HEMLOCK	-	-	12.2	22.7	30.4	45.3	42.8	19.2	
HOOM HOODOO BASIN	-	-	12.0	20.1	23.4	39.6	39.8	28.0	
PIRI PIERCE RG S	-	-	1.7	3.9	3.9	-	-	-	
SHAI SHANGHI SUM	-	-	-	-	-	20.2	12.7	-	
LSLI LOST LAKE	-	-	-	-	-	-	-	31.1	
EKRI ELK RIVER 1S	-	-	4.1	-	-	-	-	-	
DWR AVERAGE KAF	-	-	-	265.0	393.0	603.0	722.0	844.0	
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	1578.8

- = 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								
		% Normal	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	90	2371	3083	2872	2627	2371	2114	1869	1658

The given forecast values are to be considered the Corps of Engineers
Official Forecast for Dworshak. If you have questions on this report, Contact
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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.