

DWORSHAK APRIL-JULY INFLOW FORECAST  
as of 1200 03 May 2004  
DATA START DATE = 0400 1 Oct 2003

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	19.1	30.2	33.9	36.6	25.8		
HEMI HEMLOCK	-	-	21.9	35.4	41.8	45.6	37.8		
HOOM HOODOO BASIN	-	-	18.2	26.9	30.5	34.4	31.2		
PERI PIERCE RG S	-	-	4.6	8.3	10.0	-	-		
SHAI SHANGHI SUM	-	-	-	-	-	27.0	12.6		
LSLI LOST LAKE	-	-	-	-	-	-	-		
EKRI ELK RIVER 1S	-	-	4.8	-	-	-	-		
DWR AVERAGE KAF	-	-	-	97.0	156.0	392.0	661.0		
ASOI July-Aug SOI	-0.1	-	-	-	-	-	-		
SSOI July-Sep SOI	-	-0.2	-	-	-	-	-		
OSOI July-Oct SOI	-	-	-0.5	-	-	-	-		
NSOI July-Nov SOI	-	-	-	-0.9	-	-	-		
DSOI July-Dec SOI	-	-	-	-	0.2	0.2	-		
DWORSHAK FC SPACE				970	1100	983	847		
DWORSHAK FC ELEV				1539.3	1529.8	1538.3	1548.0		
DWORSHAK FOM ELEV	1518.5	1515.9	1515.2	1517.8	1511.0	1508.6	1530.1	1559.6	

- = 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  
PERI = PIERCE RANGER STATION ACCUMULATED SWE IN INCHES (snow course) elev 3080  
SHAI = SHANGHAI SUMMIT ACCUMULATED SWE IN INCHES (snotel) elev 4570  
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\*PERI+89.7\*NSOI+17.1\*EKRI+1539  
01FEB=18.6\*ELBI+15.6\*HEMI+18.5\*HOOM+44.1\*PERI+20.3\*DSOI+.8\*JD+540  
01MAR=14.2\*ELBI+14.7\*HEMI+15.5\*HOOM+33.4\*PERI+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	101	2662	4369	3863	3278	2662	2047	1461	956	
01Nov April-July Forecast	99	2629	4255	3773	3215	2629	2042	1484	1002	
01Dec April-July Forecast	99	2615	4270	3780	3212	2615	2018	1450	960	
01Jan April-July Forecast	100	2651	3971	3580	3127	2651	2175	1722	1331	
01Feb April-July Forecast	98	2599	3773	3425	3022	2599	2176	1773	1426	
01Mar April-July Forecast	91	2394	3378	3087	2749	2394	2040	1702	1411	
01Apr April-July Forecast	86	2265	3112	2861	2570	2265	1960	1669	1418	
01May April-July Forecast	78	2055	2883	2638	2354	2055	1757	1473	1227	
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.