

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 01 June 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	7.0	
HEMI HEMLOCK	-	-	21.9	35.4	41.8	45.6	37.8	18.1	
HOOM HOODOO BASIN	-	-	18.2	26.9	30.5	34.4	31.2	20.9	
PERI PIERCE RG S	-	-	4.6	8.3	10.0	-	-	-	
SHAI SHANGHI SUM	-	-	-	-	-	27.0	12.6	-	
LSLI LOST LAKE	-	-	-	-	-	-	-	25.8	
EKRI ELK RIVER 1S	-	-	4.8	-	-	-	-	-	
DWR AVERAGE KAF	-	-	-	97.0	156.0	392.0	661.0	955.0	
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	1594.6

- = 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	87	2311	3024	2813	2568	2311	2054	1809	1598

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.

Date: 01 June 2004