

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 05 JUN 01

DATA START DATE = 0400 1 Oct 2000

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	9.5	13.0	18.2	21.3	21.2	0.0	
HEMI HEMLOCK	-	-	13.5	17.8	23.6	30.8	31.2	0.0	
HOOM HOODOO BASIN	-	-	10.0	12.5	17.5	21.7	25.3	9.9	
PIRI PIERCE RG S	-	-	4.8	7.8	9.2	-	-	-	
SHAI SHANGHI SUM	-	-	-	-	-	17.9	13.4	-	
LSLI LOST LAKE	-	-	-	-	-	-	-	12.4	
EKRI ELK RIVER 1S	-	-	3.8	-	-	-	-	-	
DWR AVERAGE KAF	-	-	-	64.0	72.0	214.0	343.0	718.0	
ASOI July-Aug SOI	0.0	-	-	-	-	-	-	-	
SSOI July-Sep SOI	-	1.0	-	-	-	-	-	-	
OSOI July-Oct SOI	-	-	2.0	-	-	-	-	-	
NSOI July-Nov SOI	-	-	-	4.0	-	-	-	-	
DSOI July-Dec SOI	-	-	-	-	4.7	4.7	-	-	
DWORSHAK FC SPACE				1001	580	329	50	-	-
DWORSHAK FC ELEV				1537.1	1566.3	1581.8	1597.4	-	-
DWORSHAK FOM ELEV	1519.2	1519.8	1519.0	1517.0	1511.0	1501.9	1513.0	1533.9	1533.9

- = 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 ELEVATION

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 Average inflow 2700 KAF

% Chance that OBSERVED will be > than given value

			1%	5%	20%	50%	80%	95%	99%	
01Oct	April-July Forecast	2690	KAF	4396	3891	3305	2690	2075	1489	984
01Nov	April-July Forecast	2859	KAF	4485	4003	3445	2859	2272	1714	1232
01Dec	April-July Forecast	2975	KAF	4631	4140	3572	2975	2379	1810	1320
01Jan	April-July Forecast	2727	KAF	4047	3656	3203	2727	2251	1797	1406
01Feb	April-July Forecast	1781	KAF	2955	2607	2204	1781	1358	955	608
01Mar	April-July Forecast	1727	KAF	2711	2419	2082	1727	1373	1035	744
01Apr	April-July Forecast	1473	KAF	2320	2069	1778	1473	1167	876	626
01May	April-July Forecast	1433	KAF	2260	2015	1731	1433	1134	850	605
01Jun	April-July Forecast	1398	KAF	2111	1900	1655	1398	1141	896	685

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