

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 6 Apr 2000

DATA START DATE = 0400 1 Oct 1999

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	18.8	30.8	40.0	46.3			
HEMI HEMLOCK	-	-	19.2	31.5	41.0	48.3			
HOOM HOODOO BASIN	-	-	15.5	26.8	35.1	39.9			
PIRI PIERCE RG S	-	-	5.5	9.6	10.4	-			
SHAI SHANGHI SUM	-	-	-	-	-	33.7			
LSLI LOST LAKE	-	-	-	-	-	-			
EKRI ELK RIVER 1S	-	-	7.0	-	-	-			
DWR AVERAGE KAF	-	-	-	143.0	243.0	423.0			
ASOI July-Aug SOI	0.6	-	-	-	-	-			
SSOI July-Sep SOI	-	0.5	-	-	-	-			
OSOI July-Oct SOI	-	-	1.4	-	-	-			
NSOI July-Nov SOI	-	-	-	2.5	-	-			
DSOI July-Dec SOI	-	-	-	-	4.0	4.0	4.0		
DWORSHAK FC SPACE				1089	1183	1330	1351		
DWORSHAK FC ELEV				1530.6	1523.6	1512.2	1510.4		
DWORSHAK FOM ELEV	1518.8	1519.2	1527.3	1538.0	1529.7	1523.9	1522.8		

- = 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 Average inflow 2700 KAF

% Chance that OBSERVED will be > than given value

			1%	5%	20%	50%	80%	95%	99%
01Oct	April-July Forecast	2856 KAF	4562	4057	3471	2856	2241	1655	1149
01Nov	April-July Forecast	2763 KAF	4389	3907	3349	2763	2176	1618	1136
01Dec	April-July Forecast	2889 KAF	4544	4054	3486	2889	2292	1724	1234
01Jan	April-July Forecast	2970 KAF	4290	3899	3446	2970	2494	2040	1649
01Feb	April-July Forecast	2719 KAF	3892	3545	3142	2719	2296	1893	1546
01Mar	April-July Forecast	2696 KAF	3679	3388	3050	2696	2341	2004	1712
01Apr	April-July Forecast	2798 KAF	3645	3394	3103	2798	2493	2202	1951
01May	April-July Forecast	KAF							
01Jun	April-July Forecast	KAF							

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 Yokoyama 503-808-3961: ken.a.yokoyama@usace.army.mil or Russ Morrow 503-808-3951: russell.l.morrow@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.