

DWORSHAK APRIL-JULY INFLOW FORECAST

as of 1200 03 Jun 000

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	35.1	14.1	
HEMI HEMLOCK	-	-	19.2	31.5	41.0	48.3	38.6	8.9	
HOOM HOODOO BASIN	-	-	15.5	26.8	35.1	39.9	36.4	20.4	
PIRI PIERCE RG S	-	-	5.5	9.6	10.4	-	-	-	
SHAI SHANGHI SUM	-	-	-	-	-	33.7	14.2	-	
LSLI LOST LAKE	-	-	-	-	-	-	-	33.8	
EKRI ELK RIVER 1S	-	-	7.0	-	-	-	-	-	
DWR AVERAGE KAF	-	-	-	143.0	243.0	423.0	954.0	975.0	
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	-	-	
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	1529.2	1578.7

- = 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	2665 KAF	3493	3248	2963	2665	2366	2082	1837
01Jun	April-July Forecast	2657 KAF	3369	3158	2914	2657	2400	2155	1944

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.