

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 2 Mar 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				
HEMI HEMLOCK	-	-	21.9	35.4	41.8				
HOOM HOODOO BASIN	-	-	18.2	26.9	30.5				
PERI PIERCE RG S	-	-	4.6	8.3	10.0				
SHAI SHANGHI SUM	-	-	-	-	-				
LSLI LOST LAKE	-	-	-	-	-				
EKRI ELK RIVER 1S	-	-	4.8	-	-				
DWR AVERAGE KAF	-	-	-	97.0	156.0				
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			
DWORSHAK FC ELEV				1539.3	1529.8	1538.3			
DWORSHAK FOM ELEV	1518.5	1515.9	1515.2	1517.8	1509.2	1508.5			

- = 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)
 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									
	% Norm:	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										
01May April-July Forecast										
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, or 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.