

DWORSHAK APRIL-JULY INFLOW FORECAST
JANUARY 2006 FORECAST

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	8.7						
HEMI HEMLOCK	-	-	13.8						
HOOM HOODOO BASIN	-	-	17.1						
PERI PIERCE RG S	-	-	2.5						
SHAI SHANGHI SUM	-	-	-						
LSLI LOST LAKE	-	-	-						
HQSI HEADQUARTERS Ppt	-	5.3	6.4						
DWR AVG INFLOW KAF	-	-	-						
SSOI Sep SOI	0.4	0.4	0.4						
DWORSHAK FC SPACE				950					
DWORSHAK FC ELEV				1540.7					
DWORSHAK FOM ELEV	1518.7	1517.5	1518.3	1524.2					

- = data not used in runoff forecast equation
 ELBI = ELK BUTTE ACCUMULATED SWE IN INCHES (snotel) elev 5550 ft
 HEMI = HEMLOCK ACCUMULATED SWE IN INCHES (snotel) elev 5810 ft
 HOOM = HOODOO BASIN ACCUMULATED SWE IN INCHES (snotel) elev 6050 ft
 PERI = PIERCE RANGER STATION ACCUMULATED SWE IN INCHES (snow course) elev 3080 ft
 SHAI = SHANGHAI ACCUMULATED SWE IN INCHES (snotel) elev 4570 ft
 LSLI = LOST LAKE ACCUMULATED SWE IN INCHES (snotel) elev 6110 ft
 HQSN = HEADQUARTERS NOVEMBER PRECIP IN INCHES elev 3140 ft
 HQSD = HEADQUARTERS DECEMBER PRECIP IN INCHES elev 3140 ft
 DWRJ = DWORSHAK JANUARY INFLOW (KAF)
 DWRJ = DWORSHAK FEBRUARY INFLOW (KAF)
 DWRMR = DWORSHAK MARCH INFLOW (KAF)
 DWRA = DWORSHAK APRIL INFLOW (KAF)
 DWRMY = DWORSHAK MAY INFLOW (KAF)
 FOM = FIRST OF MONTH

FORECAST EQUATIONS:

01OCT=511.726*SSOI+2641.518
 01NOV=511.726*SSOI+2641.518
 01DEC=344.404*SSOI+182.715*HQSN+1734.55
 01JAN=9.769*ELBI+12.046*HEMI+13.611*HOOM+35.139*PERI+271.684*SSOI+99.827*HQSN+45.827*HQSD+1095.649
 01FEB=19.568*ELBI+17.270*HEMI+19.132*HOOM+48.512*PERI+108.047*SSOI+0.895*DWRJ+413.051
 01MAR=14.894*ELBI+15.609*HEMI+15.630*HOOM+38.099*PERI+116.518*SSOI+0.977*DWRJ+0.147*DWRJ+284.621
 01APR=14.977*ELBI+15.429*HEMI+14.459*HOOM+16.820*SHAI+114.608*SSOI+0.860*DWRJ+0.150*DWRJ
 +0.406*DWRMR-209.674
 01MAY=10.768*ELBI+9.659*HEMI+9.571*HOOM+11.370*SHAI+7.540*LSLI+84.136*SSOI+1.000*DWRA+9.134
 01JUN=6.818*ELBI+6.197*HEMI+6.424*HOOM+7.796*SHAI+4.684*LSLI+1.000*DWRA+1.000*DWRMY+194.873

April-July 71-yr median inflow for the 1928-1999 period = 2702 KAF
 April-July normal inflow for the 1971-2000 period = 2645 KAF

% Chance that OBSERVED will be > than given value

	% Median	% Normal	KAF	1%	5%	20%	50%	80%	95%	99%
01Oct April-July Forecast	105	108	2846	4567	4057	3467	2846	2226	1635	1126
01Nov April-July Forecast	105	108	2846	4567	4057	3467	2846	2226	1635	1126
01Dec April-July Forecast	105	108	2844	4406	3944	3407	2844	2281	1745	1283
01Jan April-July Forecast	96	98	2601	3931	3537	3080	2601	2121	1664	1270
01Feb April-July Forecast										
01Mar April-July Forecast										
01Apr April-July Forecast										
01May April-July Forecast										
01Jun April-July Forecast										

The given forecast values are to be considered the Corps or 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.