

DWORSHAK APRIL-JULY INFLOW FORECAST  
FEBRUARY 2006 FORECAST

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	8.7	23.6					
HEMI HEMLOCK	-	-	13.8	30.5					
HOOM HOODOO BASIN	-	-	17.1	33.2					
PERI PIERCE RG S	-	-	2.5	6.7					
SHAI SHANGHI SUM	-	-	-	-					
LSLI LOST LAKE	-	-	-	-					
HQSI HEADQUARTERS Ppt	-	5.3	6.4	-					
DWR AVG INFLOW KAF	-	-	-	337.6					
SSOI Sep SOI	0.4	0.4	0.4	0.4					
DWORSHAK FC SPACE				950	1175				
DWORSHAK FC ELEV				1540.7	1524.2				
DWORSHAK FOM ELEV	1518.7	1517.5	1518.3	1524.2	1539.8				

- = 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	100	102	2707	3699	3405	3065	2707	2350	2009	1715
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 of Engineers

Official Forecast for Dworshak. If you have questions on this report, Contact

Ken Soderlind, 503-808-3950, Patti Etzel, 503-808-3958, John McCoskery, 503-808-3951

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.