

DWORSHAK APRIL-JULY INFLOW FORECAST  
MARCH 2006 FORECAST

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	8.7	23.6	28.3				
HEMI HEMLOCK	-	-	13.8	30.5	37.0				
HOOM HOODOO BASIN	-	-	17.1	33.2	41.0				
PERI PIERCE RG S	-	-	2.5	6.7	7.5				
SHAI SHANGHI SUM	-	-	-	-	-				
LSLI LOST LAKE	-	-	-	-	-				
HQSI HEADQUARTERS	-	5.3	6.4	-	-				
DWR AVG INFLOW KAI	-	-	-	337.6	170.6				
SSOI Sep SOI	0.4	0.4	0.4	0.4	0.4				
DWORSHAK FC SPACE				950	1175	1225	2/		
DWORSHAK FC ELEV				1540.7	1524.2	1520.4	2/		
DWORSHAK FOM ELEV	1518.7	1517.5	1518.3	1524.2	1539.8	1524.9			

- = 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  
 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)  
 DWRF = 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+413.05  
 01MAR=14.894\*ELBI+15.609\*HEMI+15.630\*HOOM+38.099\*PERI+116.518\*SSOI+0.977\*DWRJ+0.147\*DWRF+284.62  
 01APR=14.977\*ELBI+15.429\*HEMI+14.459\*HOOM+16.820\*SHAI+114.608\*SSOI+0.860\*DWRJ+0.150\*DWR  
 +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+9.13  
 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	97	99	2612	3497	3235	2931	2612	2292	1988	1726
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.
- 2/ DWR 31 Mar flood control target space and elevation; target space and elevation for shift operation not included.