

DWORSHAK APRIL-JULY INFLOW FORECAST
as of 1200 7 Mar 2005
DATA START DATE = 0400 1 Oct 2004

End of Month	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
ELBI ELK BUTTE	-	-	9.9	12.6	13.5				
HEMI HEMLOCK	-	-	13.5	17.6	19.6				
HOOM HOODOO BASIN	-	-	12.2	17.0	18.7				
PERI PIERCE RG S	-	-	1.2	2.8	2.0				
SHAI SHANGHI SUM	-	-	-	-	-				
LSLI LOST LAKE	-	-	-	-	-				
EKRI ELK RIVER 1S	-	-	4.8	-	-				
DWR AVERAGE KAF	-	-	-	297.9	207.1				
ASOI July-Aug SOI	-1.5	-	-	-	-	-			
SSOI July-Sep SOI	-	-1.9	-	-	-	-			
OSOI July-Oct SOI	-	-	-2.2	-	-	-			
NSOI July-Nov SOI	-	-	-	-3.1	-	-			
DSOI July-Dec SOI	-	-	-	-	-4.2	-4.2			
DWORSHAK FC SPACE				728	508	230			
DWORSHAK FC ELEV 2/				1556.3	1570.8	1587.5			
DWORSHAK FOM ELEV	1520.9	1523.6	1531.3	1548.5	1557.2	1565.1			

- = 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) elev 3080
 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 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	84	86	2275	3982	3477	2891	2275	1660	1074	569
01Nov April-July Forecast	85	87	2303	3929	3448	2889	2303	1717	1158	677
01Dec April-July Forecast	88	90	2370	4025	3535	2966	2370	1773	1205	715
01Jan April-July Forecast	71	72	1914	3234	2843	2389	1914	1438	984	593
01Feb April-July Forecast	61	62	1640	2813	2466	2063	1640	1217	814	467
01Mar April-July Forecast	53	54	1423	2407	2116	1778	1423	1069	731	440
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, 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.
- 2/ Flood control elevation shown for 31 March does not consider requirement for retention of inviolate flood control space.