

DWORSHAK APRIL-JULY INFLOW FORECAST  
as of 1200 1 Nov 2003  
DATA START DATE = 0400 1 Oct 2003

| End of Month      | OCT    | NOV    | DEC | JAN    | FEB | MAR | APR | MAY | JUN |
|-------------------|--------|--------|-----|--------|-----|-----|-----|-----|-----|
| ELBI ELK BUTTE    | -      | -      |     |        |     |     |     |     |     |
| HEMI HEMLOCK      | -      | -      |     |        |     |     |     |     |     |
| HOOM HOODOO BASIN | -      | -      |     |        |     |     |     |     |     |
| PIRI PIERCE RG S  | -      | -      |     |        |     |     |     |     |     |
| SHAI SHANGHI SUM  | -      | -      |     |        |     |     |     |     |     |
| LSLI LOST LAKE    | -      | -      |     |        |     |     |     |     |     |
| EKRI ELK RIVER 1S | -      | -      |     |        |     |     |     |     |     |
| DWR AVERAGE KAF   | -      | -      |     |        |     |     |     |     |     |
| ASOI July-Aug SOI | -0.1   | -      |     |        |     |     |     |     |     |
| SSOI July-Sep SOI | -      | -0.2   |     |        |     |     |     |     |     |
| OSOI July-Oct SOI | -      | -      |     |        |     |     |     |     |     |
| NSOI July-Nov SOI | -      | -      |     |        |     |     |     |     |     |
| DSOI July-Dec SOI | -      | -      |     |        |     |     |     |     |     |
| DWORSHAK FC SPACE |        |        |     | 961    |     |     |     |     |     |
| DWORSHAK FC ELEV  |        |        |     | 1539.9 |     |     |     |     |     |
| DWORSHAK FOM ELEV | 1518.5 | 1515.9 |     |        |     |     |     |     |     |

- = data not used in 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  
PIRI = 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\*PIRI+89.7\*NSOI+17.1\*EKRI+1539  
01FEB=18.6\*ELBI+15.6\*HEMI+18.5\*HOOM+44.1\*PIRI+20.3\*DSOI+.8\*JD+540  
01MAR=14.2\*ELBI+14.7\*HEMI+15.5\*HOOM+33.4\*PIRI+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   |          |      |      |      |      |      |      |      |      |  |
|   | % Normal | 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                           |          |      |      |      |      |      |      |      |      |  |
| 01Jan April-July Forecast                           |          |      |      |      |      |      |      |      |      |  |
| 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 of 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.