Table 1. Regionalized regression equations for the mean and standard deviation
of logarithms of annual maximum discharges

Region: See figure 6 for division of regions.

DA: Drainage area, in square miles.

S: Average slope of the main channel between points
at 85 and 10 percent of the length above the
gage to the basin divide.

F: Percentage of forest cover plus 1 percent.

MAP: Mean annual precipitation.

ALT: Mean altitude of the basin.

INT24HR: Rainfall intensity of a 24-hour period at
the 50-percent exceedance probability.

MMJT: Mean minimum January temperature.

Region	Drainage area (mi^2)	Regression equation for mean logarithm of annual maximum discharges	Regression equation for standard deviation of logarithms of annual maximum discharges	Standard error of estimate, in percent, at 0.02 exceedance probability	
				Average	Range
1	≤35	$1.477 + 1.280 \log DA - 0.399 \log S$	$3.289 - 0.175 \log DA - 0.739 \log ALT$	90	+131 to −55
	>35 to <250	$0.637 + 0.808 \log DA + 0.155 \log F$	$3.250 - 0.083 \log F - 0.732 \log ALT - 0.523 \log INT24HR$	63	+81 to −44
2	<250	$-0.037 + 0.839 \log DA + 0.834 \log MAP$	$1.877 - 0.067 \log DA - 0.193 \log MAP - 0.337 \log ALT$	59	+75 to −43
	>250	$-0.037 + 0.839 \log DA + 0.834 \log MAP$	$0.600 - 0.157 \log F - 0.123 \log MAP + 0.060 \log MMJT$	41	+49 to −33
3	<250	$0.800 + 0.993 \log DA + 0.169 \log S$	$0.751 - 0.050 \log DA - 0.111 \log ALT - 0.057 \log MAP$	48	+60 to −37
	>250	$0.800 + 0.993 \log DA + 0.169 \log S$	$0.600 - 0.157 \log F - 0.123 \log MAP + 0.060 \log MMJT$	63	+81 to −44