

EXPLANATION
Width of arrow indicates range of annual mean discharge, in ft³/s, having a 50-percent chance of being exceeded in any given year. Numbers at base of arrow indicate estimated discharge in ft³/s that have 10, 50, and 90 percent chance of being exceeded.

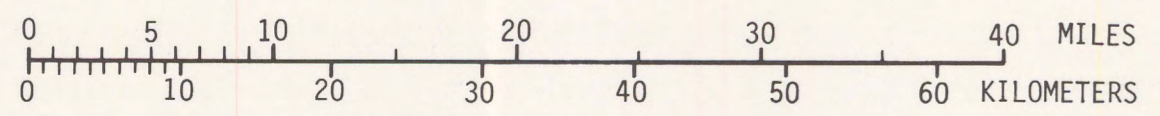
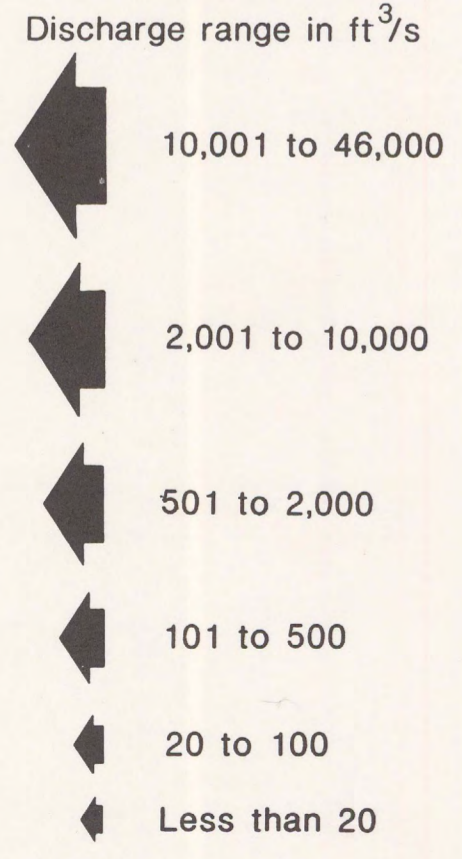


TABLE 8.--Regression equations used to estimate June mean discharges for selected exceedance probabilities for streams in the region

Exceedance probability	Discharge equation	Correlation coefficient	Average standard error, in percent
10 pct	$Q = .00060 (DA)^{1.25} (P)^{1.77}$	0.973	61
50 pct	$Q = .00048 (DA)^{1.25} (P)^{1.72}$.968	68
90 pct	$Q = .00033 (DA)^{1.23} (P)^{1.71}$.957	81

Q = Discharge, in cubic feet per second.
DA = Drainage area in square miles.
P = Mean annual precipitation, in inches, for the basin.

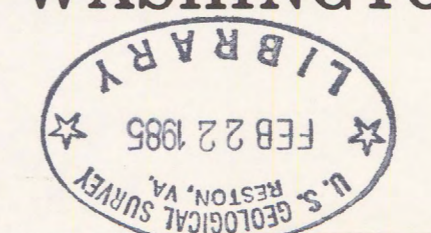
TABLE 9.--Summary of estimated June mean discharges flowing into selected waters

Waters	Discharge, in ft ³ /s, for exceedance probabilities		
	10 pct	50 pct	90 pct
Strait of Juan de Fuca	5,200	3,300	2,000
Hood Canal	5,400	3,300	2,100
Lower Puget Sound (south of Tacoma Narrows)	4,800	3,100	1,900
Tacoma Narrows to Deception Pass	85,000	54,000	32,000
Deception Pass to Canadian border	6,200	4,000	2,400
Total (rounded)	107,000	68,000	40,000

R.15 W. | R.14 W. | R.13 W. | R.12 W. | R.11 W. | R.10 W. | R.9 W. | R.8 W. | R.7 W. | R.6 W. | R.5 W. | R.4 W. | R.3 W. | R.2 W. | R.1 W. | R.1 E. | R.2 E. | R.3 E. | R.4 E. | R.5 E. | R.6 E. | R.7 E. | R.8 E. | R.9 E. | R.10 E. | R.11 E. | R.12 E. | R.13 E. | R.14 E. | R.15 E. | R.16 E. | R.17 E.

SHEET 5. Estimated June mean discharges for selected exceedance probabilities

PRINCIPAL SURFACE-WATER INFLOW TO PUGET SOUND, WASHINGTON
by J. R. Williams
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