

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.

Discharge range in ft³/s

- ← 4,001 to 15,000
- ← 1,001 to 4,000
- ← 501 to 1,000
- ← 101 to 500
- ← 20 to 100
- ← Less than 20

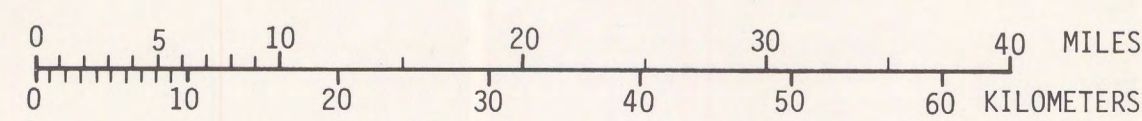


TABLE 10.--Regression equations used to estimate September mean discharges for selected exceedance probabilities for streams in the region

Exceedance probability	Discharge equation	Correlation coefficient	Average standard error, in percent
10 pct	$Q = .00049 (DA)^{1.15} (P)^{1.74}$	0.943	92
50 pct	$Q = .00054 (DA)^{1.20} (P)^{1.52}$.922	120
90 pct	$Q = .00049 (DA)^{1.22} (P)^{1.40}$.892	164

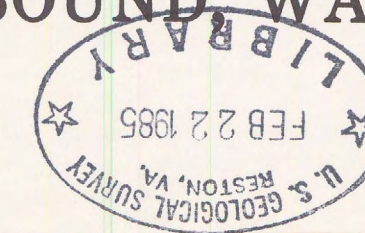
Q = Discharge, in cubic feet per second.
DA = Drainage area in square miles.
P = Mean annual precipitation, in inches, for the basin.

TABLE 11.--Summary of estimated September 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	2,200	1,200	700
Hood Canal	2,300	1,200	680
Lower Puget Sound (south of Tacoma Narrows)	1,900	1,200	740
Tacoma Narrows to Deception Pass	28,000	17,000	11,000
Deception Pass to Canadian border	2,200	1,400	860
Total (rounded)	37,000	22,000	14,000

SHEET 6. Estimated September mean discharges for selected exceedance probabilities.

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