

Table 5. Summary of basin characteristics used to develop low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams.

[mi², square miles; mi/mi², miles per square mile; -- basin characteristic not significant]

Low-flow region ¹ or statewide equation	Range of basin characteristic variables									
	Drainage area (mi ²)	Basin slope (degrees)	Mean elevation (feet)	Mean annual precipitation (inches)	Stream density (mi/mi ²)	Soil thickness (feet)	Percent glaciation	Percent carbonate bedrock	Percent forested area	Percent urban area
Region 1	4.78 - 1,150	1.7 - 6.4	--	--	--	4.13 - 5.21	--	--	--	0 - 89
Region 2	4.93 - 1,280	--	--	35.0 - 50.4	0.51 - 3.1	3.32 - 5.65	--	0 - 99	--	--
Region 3	2.33 - 1,720	--	898 - 2,700	38.7 - 47.9	--	--	--	--	--	--
Region 4	2.26 - 1,400	--	1,050 - 2,580	--	--	--	--	--	--	--
Region 5	4.84 - 982	--	--	33.1 - 47.1	--	--	0 - 100	--	41 - 100	--
10-year base flow	2.26 - 1,720	--	--	33.1 - 50.4	--	--	--	0 - 99	5.1 - 100	0 - 89
25-year base flow	2.26 - 1,720	--	--	33.1 - 50.4	--	--	--	0 - 99	5.1 - 100	0 - 89
50-year base flow	2.26 - 1,720	--	--	33.1 - 50.4	--	--	--	0 - 99	5.1 - 100	0 - 89
Harmonic mean	2.26 - 1,720	--	--	33.1 - 50.4	--	--	--	0 - 99	5.1 - 100	0 - 89
Mean annual flow	2.26 - 1,720	--	130 - 2,700	33.1 - 50.4	--	--	--	--	5.1 - 100	0 - 89

¹Regions are shown on figure 3.