

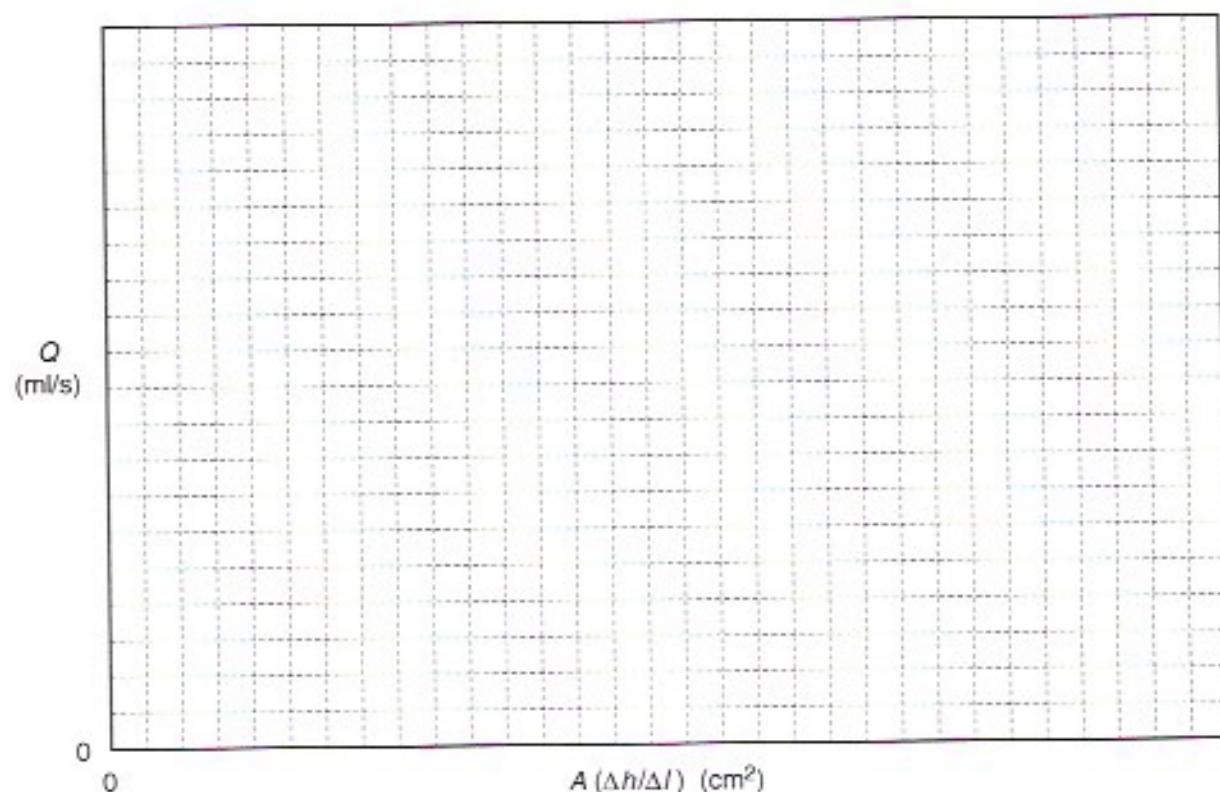


Figure 7.2—Relationship of discharge to hydraulic gradient.

Table 7.2—DENSITY AND VISCOSITY OF WATER

Temperature (°C)	Density (g/ml)	Viscosity (millipoise)	Temperature (°C)	Density (g/ml)	Viscosity (millipoise)
0	.9999	17.94	20	.9982	10.09
1	.9999	17.32	21	.9980	9.84
2	1.0000	16.74	22	.9978	9.61
3	1.0000	16.19	23	.9976	9.38
4	1.0000	15.68	24	.9973	9.16
5	1.0000	15.19	25	.9971	8.95
6	1.0000	14.73	26	.9968	8.75
7	.9999	14.29	27	.9965	8.55
8	.9999	13.87	28	.9963	8.36
9	.9998	13.48	29	.9960	8.18
10	.9997	13.10	30	.9957	8.00
11	.9996	12.74	31	.9954	7.83
12	.9995	12.39	32	.9951	7.67
13	.9994	12.06	33	.9947	7.51
14	.9993	11.75	34	.9944	7.36
15	.9991	11.45	35	.9941	7.21
15.5	.9990	11.30	36	.9937	7.06
16	.9989	11.16	37	.9934	6.92
17	.9988	10.88	38	.9930	6.79
18	.9986	10.60	39	.9926	6.66
19	.9984	10.34	40	.9922	6.56

Note: 1 poise = 1 dyne sec cm⁻² = 1 g cm⁻¹ sec⁻¹1 poise = 2.09 E-3 lb sec ft⁻²