

Velocity

Maximum permissible velocities of flow shall not exceed the values shown on the following table:

Table D.12.1	Permissible	Velocities for	Channels	Lined	with Vegetation
			0		

Channel Slope	Lining	Permissible Velocity ¹ (ft/sec)
0-5%	Reed canarygrass Tall fescue Kentucky bluegrass	5
	Grass-legume mixture	4
	Red fescue Redtop Sericea lespedeza Annual lespedeza Small grains	2.5
5-10%	Reed canarygrass Tall fescue Kentucky bluegrass	4
	Grass-legume mixture	3
Greater than 10%	Reed canarygrass Tall fescue Kentucky bluegrass	3

¹ For highly erodible soils, permissible velocities should be decreased 25%. An erodibility factor (K) greater than 0.35 would indicate a highly erodible soil. Erodibility factors (K-factors) for Maryland soils are listed either in the Soil Survey or on the Soils-5 forms available in each Soil Conservation District or local NRCS office.

Source: Soil and Water Conservation Engineering, Schwab, et al.