



Index to Surface Runoff Classes

Slope Percent	Rapid & Very Rapid	Moderately Rapid	Moderate	Moderately Slow	Slow	Very Slow & Impermeable
$\mu\text{m} / \text{s}$ in / hr	42 - > 141 6 - > 20	14 - 42 2 - < 6	4 - 14 0.6 - < 2	1.4 - 4 0.2 - < 0.6	0.42 - 1.4 0.06 - < 0.2	0 - 0.42 0 - < 0.06
Concave	N	N	N	N	N	N
< 1	N	N	N	L	M	H
1 - 5	N	VL	L	M	H	VH
5 - 10	VL	L	M	H	VH	VH
10 - 20	VL	L	M	H	VH	VH
≥ 20	L	M	H	VH	VH	VH

Classes

Negligible

Very Low

Low

Medium

High

Very High

Slowest permeability in upper 1 m of mineral soil.

If minimum permeability is between 0 and 50 cm use table directly as above.

If minimum permeability is between 50 and 100 cm, reduce runoff by one class (e.g., for moderately slow permeability on 2 – 6% slope, reduce from medium to low.