

Table 1: Guidelines for Determining Hydrologic Soil Groups  
 To determine applicable HSG, pick the most restrictive criteria for each HSG.

Characteristic	HYDROLOGIC SOIL GROUP			
	A	B	C	D
Soil drainage class	Excessively or well (moderately well for deep sands)	Well or moderately well	Moderately well or somewhat poorly	Poorly or very poorly
Depth to restrictive (slowly permeable) layer	Very deep (48 inches)	Deep (36-48 inches)	Moderately deep (20-36 inches)	Shallow (0-20 inches)
Average depth to high water table	48 inches	36-48 inches	20-36 inches	20 inches
Hydraulic conductivity (aka permeability)	Upper 20": > 2.0 in/hr Below: 0.6 to 20 in/hr	Upper 20": 0.6 to 2.0 in/hr	0.06 to 0.60 in/hr	0.06 in/hr
	very rapid, rapid, moderately rapid in upper part	moderate in upper part	slow or moderately slow to depth of restrictive layer	very slow to depth of restrictive layer
<u>Permeability terms</u> very slow: < 0.06 in/hr (< 0.12 ft/day) slow: 0.06 to 0.2 in/hr (0.12 to 0.24 ft/day) moderately slow: 0.2 to 0.6 in/hr (0.24 to 1.2 ft/day) moderate: 0.6 to 2.0 in/hr (1.2 to 4 ft/day) moderately rapid: 2.0 to 6.0 in/hr (4 to 12 ft/day) rapid: 6.0 to 20 in/hr (12 to 40 ft/day) very rapid: > 20 in/hr (> 40 ft/day)				

AMC Group	Total 5-day antecedent rainfall	
	Dry/Dormant Season [November to May]	Wet/Growing Season [June to October]
I	less than 0.5 in	less than 1.4 in
II	0.5 to 1.1 in	1.4 to 2.1 in
III	more than 1.1 in	more than 2.1 in
1. From National Engineering Handbook (Mockus, 1964)		