

The curve number should be selected by firstly ascertaining the dominant soil type for the catchment and its hydrological soil group (Table 3-8). If no information on soils exists, then it should be assumed to be Group B. The most appropriate land cover type should be chosen from Table 3-9 and used to find the curve number.

<b>General Soil Textures and their Approximate Hydrologic Grouping</b>	
<b>Soil Textures</b>	<b>Hydrologic Soil Group</b>
Sand, loamy sand, and sandy loam	A
Silt loam and loam	B
Sandy clay loam	C
Clay loam, silty clay loam, sandy clay, silty clay, and clay. Undrained soils with high water table.	D

**Table 3-8 - Soil characteristics and hydrological soil groups**

Runoff Curve Numbers for Hydrologic Soil Cover Complexes (AMC II, I = 0.2S) (SCS, 1983)					
Land Use Description	Curve Numbers for Hydrologic Soil Group				
	A	B	C	D	
<b>Fully Developed Urban Area<sup>1</sup></b>					
Lawns, open spaces, parks, golf courses, cemeteries etc.:	39	61	74	80	
good condition: grass cover on 75% or more of the area	49	69	79	84	
fair condition: grass cover on 50% to 75% of the area	68	79	86	89	
poor condition: grass cover on 50% or less of the area	98	98	98	98	
Paved parking lots, roofs, driveways, etc. Streets and roads:					
paved with curbs and storm sewers	98	98	98	98	
gravel	76	85	89	91	
dirt	72	82	87	89	
paved with open ditches	83	89	92	93	
<b>Developing Urban Areas<sup>2</sup> (No Vegetation Established)</b>					
Newly graded area or bare soil	77	86	91	94	
<b>Cultivated Agricultural Land</b>					
	Hydrologic Condition <sup>3</sup>				
<i>Fallow:</i>					
Straight row		77	86	91	94
Overall tillage	poor	76	85	90	93
Overall tillage	good	74	83	88	90
<i>Row Crops:</i>					
Straight row	poor	72	81	88	91
Straight row	good	67	78	85	89
Contoured tillage	poor	71	80	87	90
Contoured tillage	good	64	75	82	85
Contoured terraces	good	62	71	78	81
	Hydrologic Condition <sup>3</sup>				
<i>Small Grain:</i>					
Straight row	poor	65	76	84	88