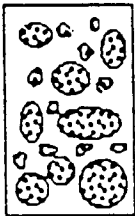
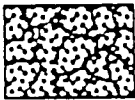
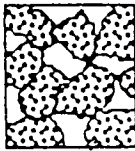
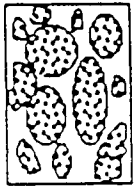


Compaction effects on forest soil
Hill forest - Durham County, NC
(D. K. Drissi)

Conditions	Original	Compact	Recovery	
			Physical wet-dry freeze- dry	Physical+ biological flora- fauna
Structure	Fine crumb	Massive	Coarse subangular blocky	Medium fine crumb
   				
Pore vol. %				
Macro	25	0	20	25
Micro	25	15	20	25
Total	50	15	40	50
Bulk density g/mL	0.9	1.5	1.2	1.0
Year	0	1	15-20	40-60

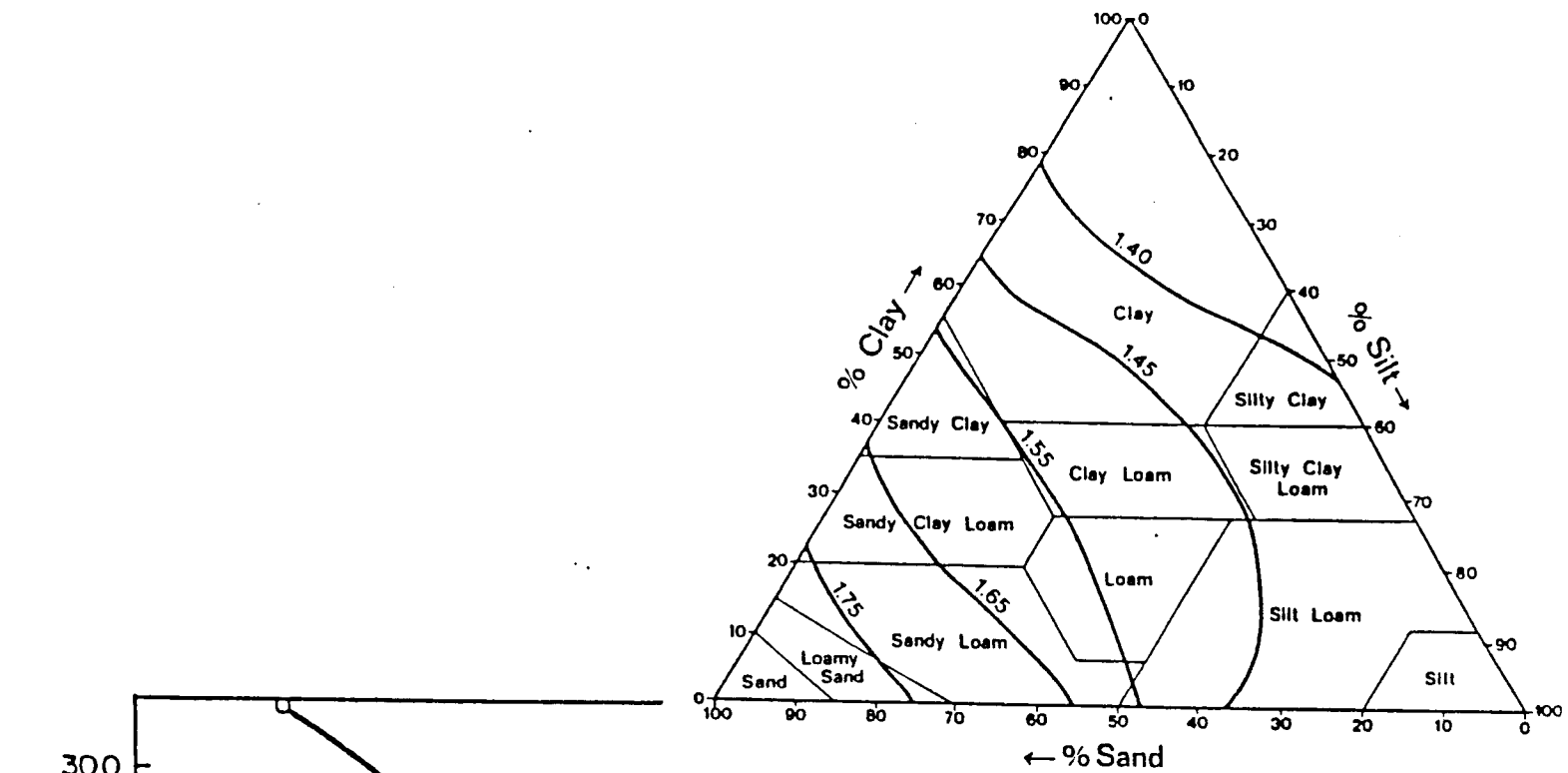


Figure 5. Growth limiting bulk density textural triangle (bulk density in g/cm^3 , redrawn from Daddow and Warrington 1983).

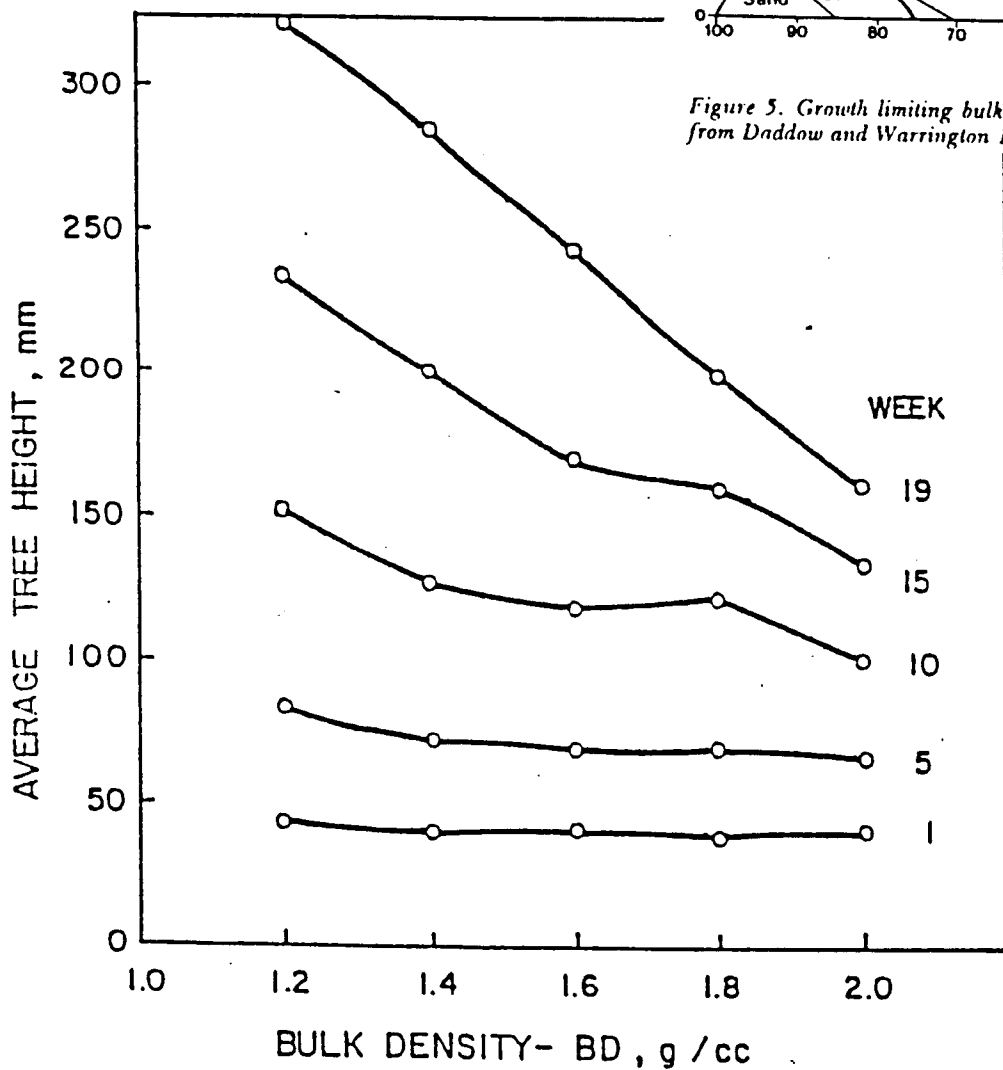


FIG. 2. Effect of soil bulk density on the average tree height during the 19 week growing period.